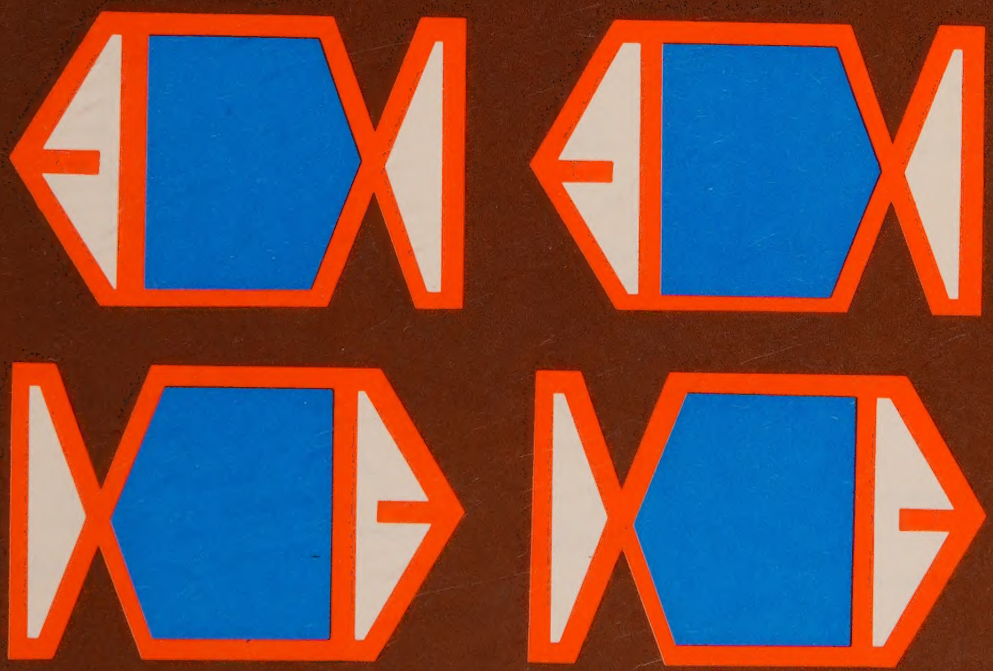
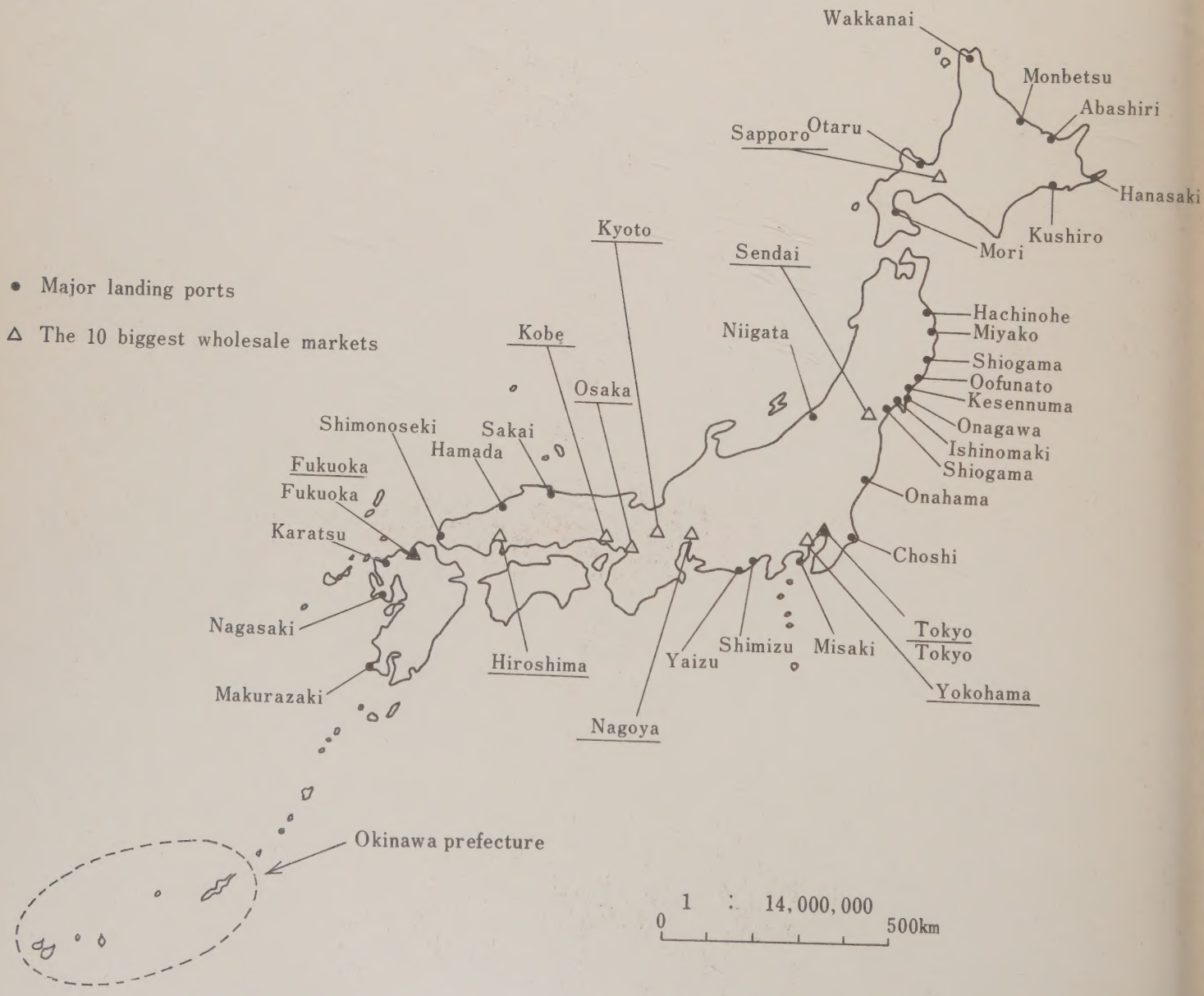
FISHERIES STATISTICS OF JAPAN 1972



STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE AND FORESTRY
GOVERNMENT OF JAPAN

MAJOR LANDING PORTS AND THE 10 BIGGEST WHOLESALE MARKETS IN JAPAN



FISHERIES STATISTICS OF JAPAN 1972

STATISTICS AND INFORMATION DEPARTMENT
MINISTRY OF AGRICULTURE AND FORESTRY
GOVERNMENT OF JAPAN

Edited and published by

Statistics and Information Department

Ministry of Agriculture and Forestry

1 − 2 − 1 Kasumigaseki Chiyoda-ku

Tokyo, Japan

FOREWORD

"The Fisheries Statistics of Japan" have been published every year since 1963 by the Statistics and Information Department, Economic Affairs Bureau, Ministry of Agriculture and Forestry, to give a general view to all the foreign interested people on the up-to-date situation of the Japanese fisheries.

Most statistics in this publication are extracted from "The Annual Statistical Report on Catch of Fisheries and Aquiculture in 1972" and "The Annual Statistical Report of Fishery products Marketing in 1972."

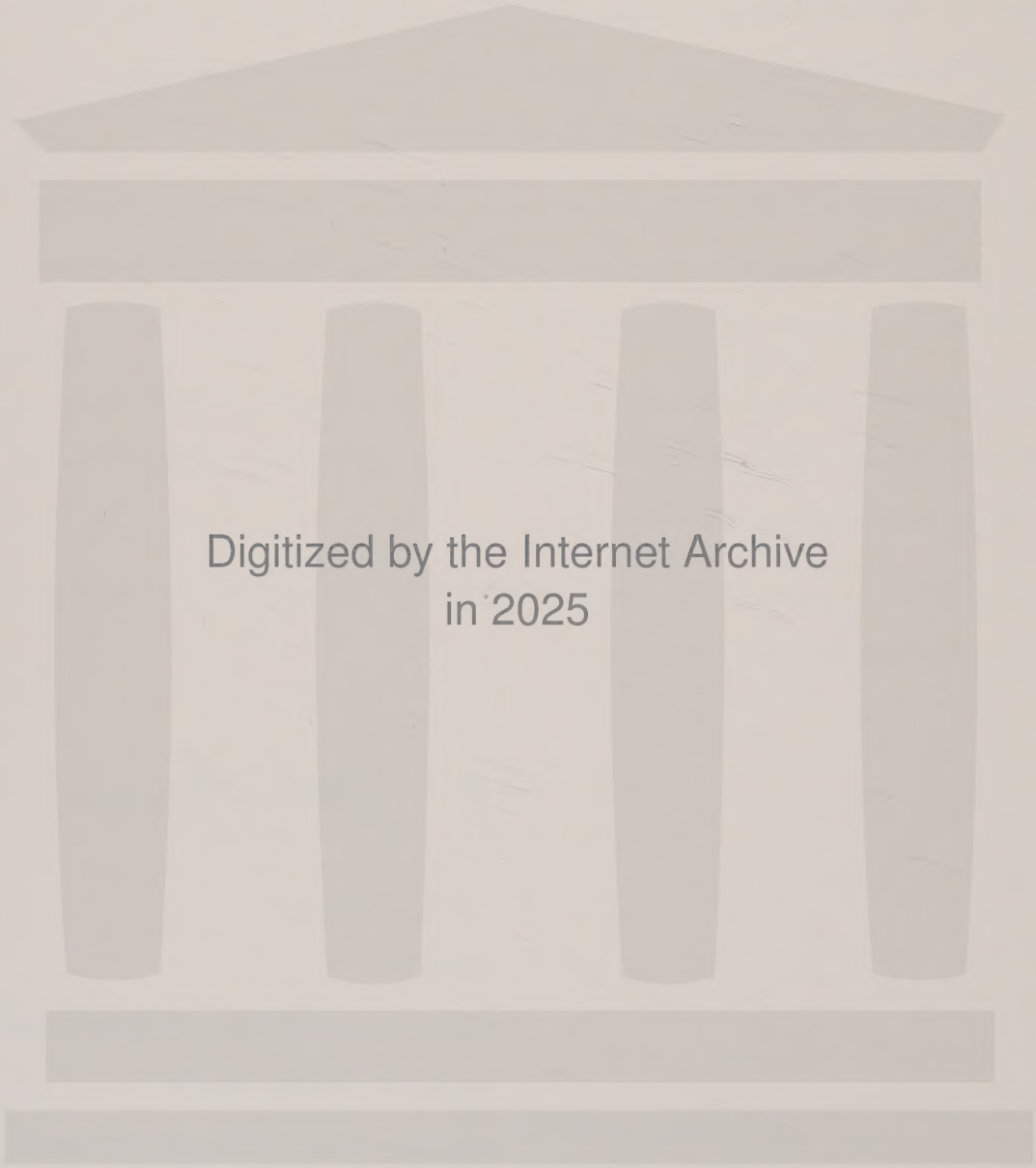
Illustrations of sea fishing gears and important fish species in Japan are shown in the last part of the pages with their English, Japanese and scientific names for the better understanding of the readers.

I hope this publication will be useful to the foreign readers who wish to obtain a real picture of the Japanese fisheries.

June, 1974

Y. Yoshioka

Yutaka Yoshioka
Director
Statistics and Information Department
Economic Affairs Bureau
Ministry of Agriculture and Forestry
Government of Japan.


Digitized by the Internet Archive
in 2025

https://archive.org/details/fisheries-statistics-japan_1972

CONTENTS

Explanation

Page

I Fishery Production of Japan 1

II Setup of Fishery Production in Japan 7

III Exports and Imports of Japanese Fishery Products..... 10

Statistical Tables

1. Summary of catch by fishery sector, 1940 - 1972 14
2. Summary of catch by species, 1940 - 1972 15
3. Catch in quantity by species, 1967 - 1972 16
4. Catch in value by species, 1967 - 1972 18
5. Catch in quantity by fishery type, 1967 - 1972 20
6. Catch in value by fishery type, 1967 - 1972 21
7. Catch by major species and by sea fishery type 1967 - 1972 . 22
8. Number of sea fishing establishments, 1967 - 1972 26
9. Sea fishery workers, 1967 - 1972 26
10. Number of fishing boats, 1967 - 1972 27
11. Gross tonnages of fishing boats, 1967 - 1972 27
12. Processed fishery products, 1967 - 1972 28
13. Value of imports and exports by commodity, 1962 - 1972 30
14. Value of imports and exports by country, 1962 - 1972..... 32
15. Value of imports and exports of fishery products, 1972 34
    (by country and by commodity)
16. Food balance sheet on fishery products, 1967 - 1972 36
17. Average consumption in quantity of fishery products per household, 1967 - 1972 38
18. Average consumption in value of fishery products per household, 1967 - 1972 40

Reference Tables

1. Catch by country of the world, 1967 - 1972 42
2. Catch by Species of the world, 1967 - 1972 43

Appendix

Page

1. Classification of sea fishery type 44
2. Illustration of important fishes in Japan 54

Explanatory Notes 66

Explanation

I. Fishery Production of Japan (excl. okinawa)

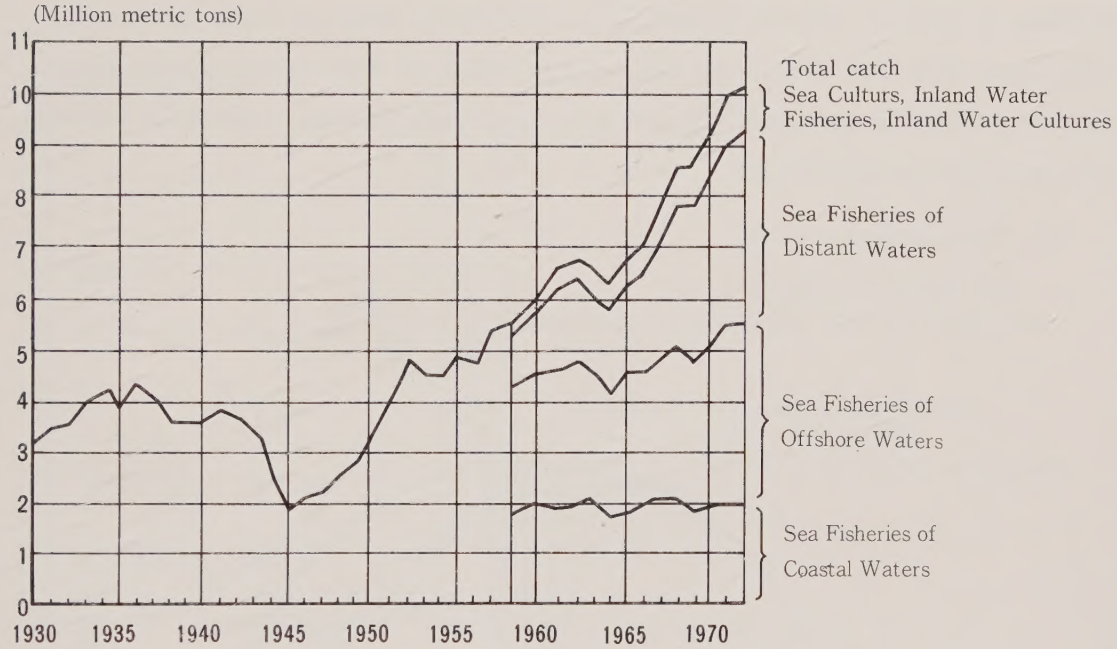


Fig. 1 JAPANESE TOTAL CATCH, 1930~1972

1. Changes of Fishery Production by Years

Before World War II, the highest fish catch of Japanese fisheries including sea culture was 4,330 thousand tons in 1936. A major element in this was the sardine catch.

Japanese fishery production was severely affected by the War, which reduced the catch by half. By 1952, however, the catch reached 4,823 thousand tons and topped the 1936 record catch. After 1952 the catch increased almost consistently from year to year until 1962, when the catch reached 6,864 thousand tons. These consistent increases were due to the development of offshore and distant fisheries as well as improvements in fishing skills and technology.

However in 1963 and 1964 the catch fell off. This was because of:

(1) a reduced number of mother ship-type trawling fleets in distant waters, (2) a poor haul of herring and flatfish, and (3) a poor catch in off shore fisheries, involving purse-seine, saury stick-held-dip net and squid fishing operations. In 1965, the catch started to increase again. This was due to: (1) a recovery in offshore fishery and (2) new developments of trawling fishing grounds. By 1970 and 1971, the catch reached level of 9,000 thousand tons due mainly to (1) a large catch of Alaska pollack from the northern Pacific grounds and (2) a large catch of mackerel from the fishing grounds around Japan.

2. Fishcatch in 1972

(1) Total production

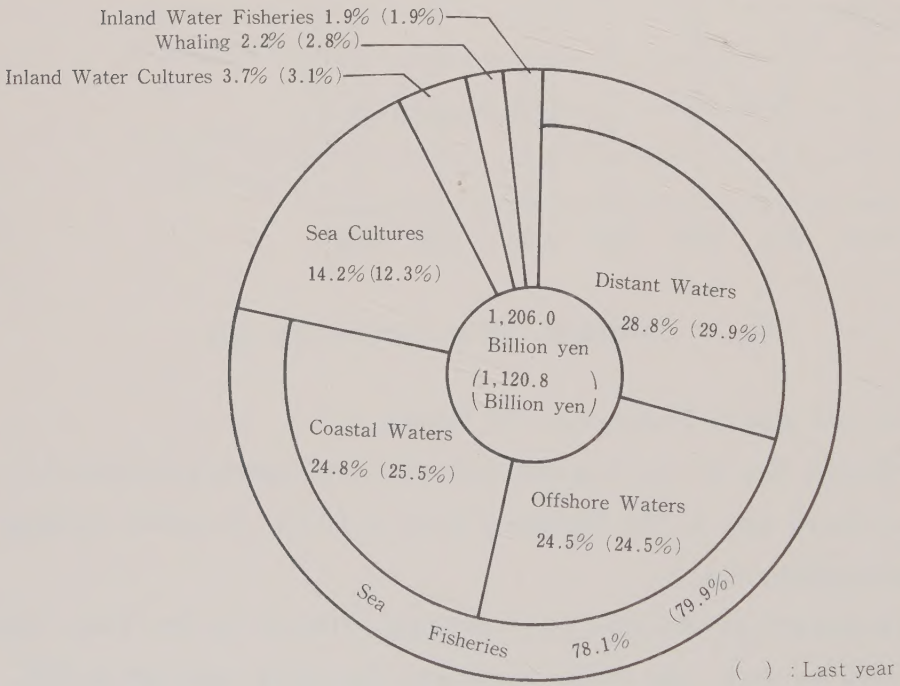


Fig. 2 RATIO OF VALUE BY FISHERIES, 1972

The total catch in 1972 (including sea culture but excluding whaling) was 10,213 thousand tons, for an annual increase of 305 thousand tons or 3 percent over 1971. There were three reasons for this increased. (1) Increased catch of Alaska pollack with offshore trawls and mother

ship-type trawls. (2) Squid angling in the circumferential sea of Japan had an good catch of squid. (3) There was an increase in sea culture production.

As a result of the record 1972 catch the total value of fishery production (excluding whaling) reached ¥1,179.6 billion. This was an increase of ¥90.2 billion or 8 percent from the previous year.

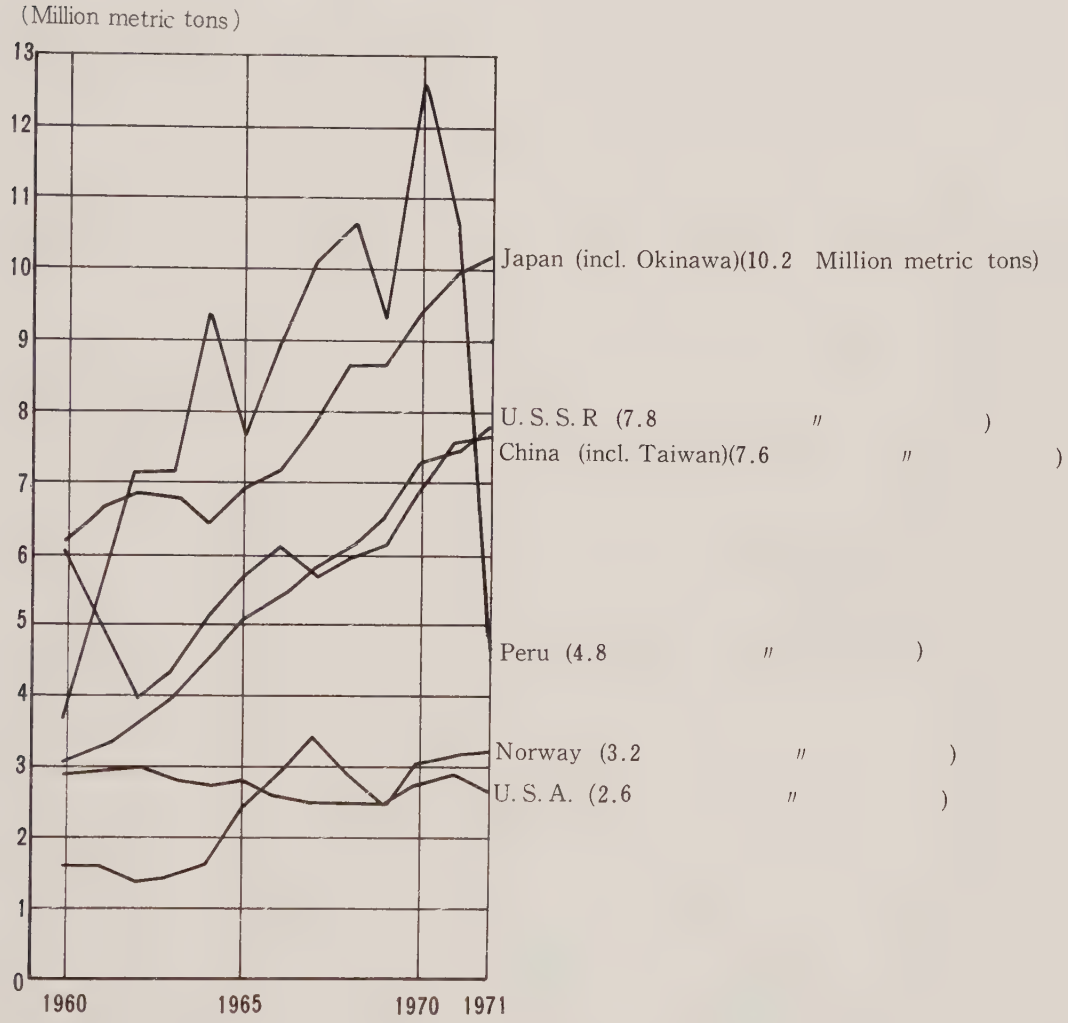


Fig. 3 CATCH BY COUNTRY OF THE WORLD, 1960~1972

The total worldwide catch in 1972 was 65,600 thousand tons. Of this, Japan's catch of 10,213 thousand tons occupied 16 percent.

(2) Production by fishery sector

In 1972, sea fishing reached a catch of 9,400 thousand tons with a value of ¥941.7 billion. This was an increase of 3 percent in catch and 5 percent in value over the previous year.

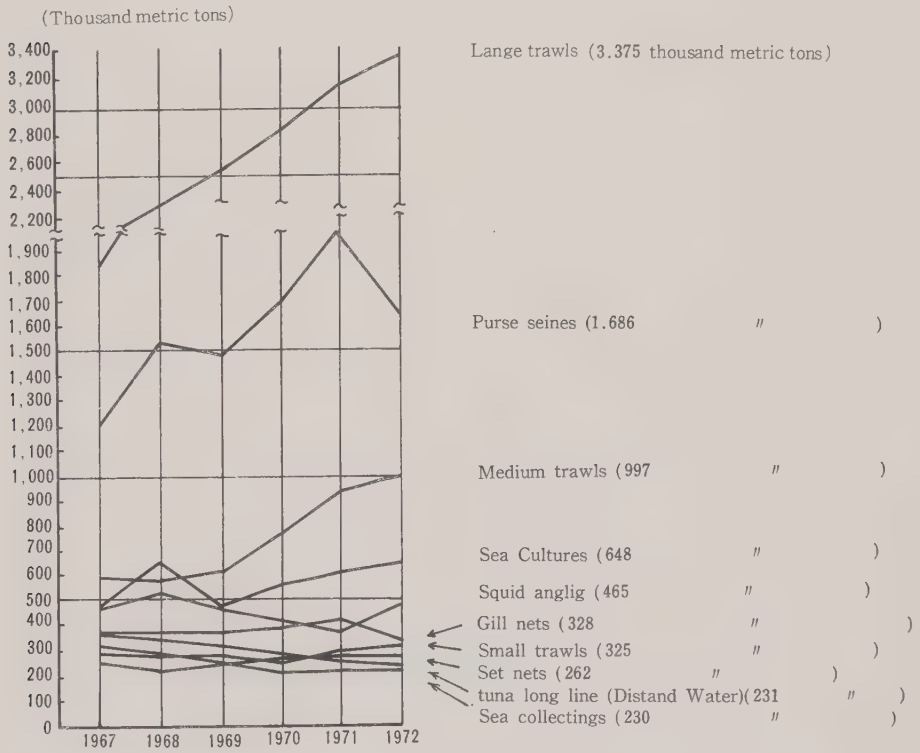


Fig. 4 CATCH IN QUANTITY BY MAJOR FISHERIES, 1967～1972

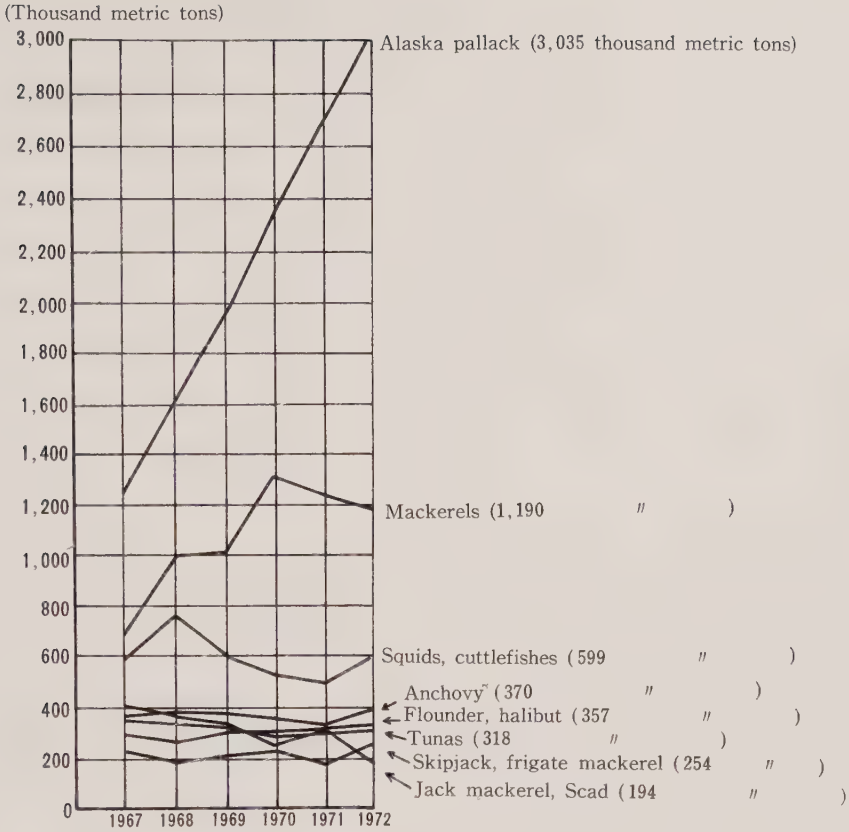


Fig. 5 CATCH IN QUANTITY BY MAJOR SPECIES, 1967~1972

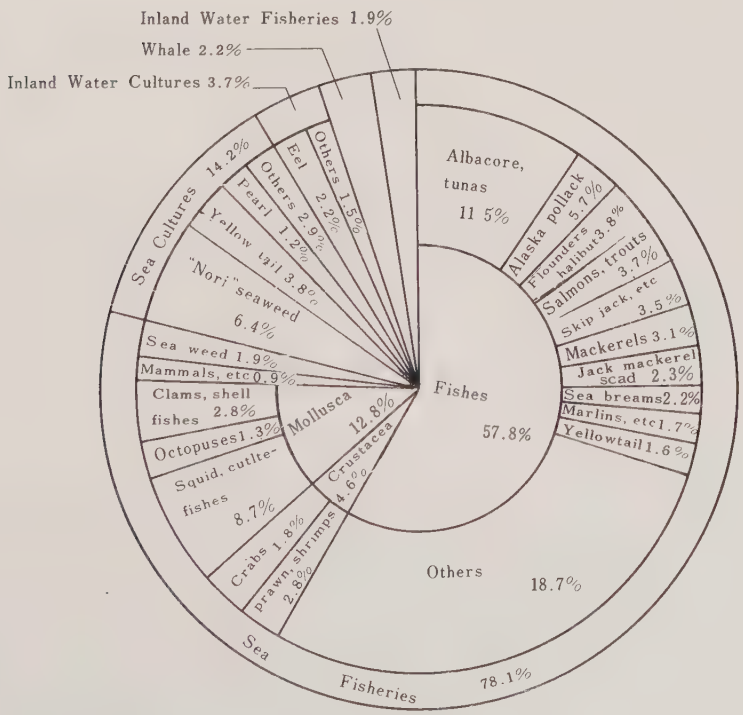


Fig. 6 RATIO OF VALUE BY MAJOR SPECIES, 1972

The yield and the value from sea culture continued to expand in 1972. Yields reached 648 thousand tons for an 6 percent increase in quantity over 1971. The value reached ¥170.8 billion for a 2 percent increase. The absolute increase in the quantity and the value of sea culture was due to (1) continued growth in young yellow tail culture and (2) "Wakame" seaweed culture expanded because of good weather conditions and improvemented technology.

Inland-Water fishery attained a catch of 109 thousand tons with a value of ¥23.1 billion. This represents an increase of 9 percent in catch and 8 percent in value compared to 1971. These increases were due to an increased catch of fresh water clams (corbicula) which normally account for about a half of the Inland-Water fishery catch.

Inland-Water culture produced 56 thousand tons with worth ¥44.1 billion. This was an increase of 11 percent in quantity and 26 percent in value over the previous year. These distinct increases were due to increased quantities and values of trout, carp and sweet fish.

The whale fisheries was 14,590 head worth ¥26.4 billion. Baleen whales accounted for 8,466 head, i.e., 1,998 head upon B.W.U. Sperm whales numbered 5,573 and small size whales numbered 551.

II. Setup of Fishery Production in Japan (excl. okinawa)

1. Sea Fishing Establishments

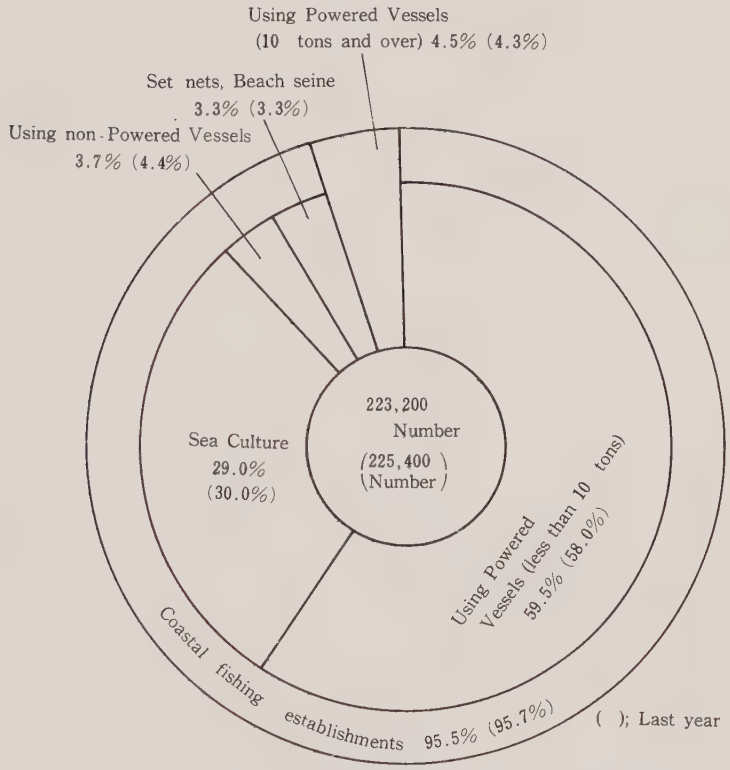


Fig. 7 RATIO OF NUMBER OF SEA FISHING ESTABLISHMENTS, 1972

The number of Japanese sea fishing establishment (excluding those using no fishing vessel) were continued to show slight increases to 1969 in recent years. The peak year was 1969. The number of establishments continue to show slight decrease from 1970. In 1972, the number declined 2.2 thousand to a total of 223.2 thousand. This was a decrease of 1.0 percent.

Of the total of 223.2 thousand, coasted fishing establishments numbered 213.1 thousand or 95 percent. This showed a decrease of 5.1 thousand or 2 percent between 1967 and 1972. Except powered vessels was an increase of 11 percent from 1967 to 1972, although coasted fishing establishments declined in number. The decrease in sea culture establishments was due to a decreased of "Nori" sea weed culture establishments.

In the other hand, remaining 5 percent of the establishments consisted of medium and large size establishments (i.e. using powered vessels total 10 G.T. and over). In 1972 these numbered 10,100 or 700 more than in 1967 for a growth of 8 percent. The growth of the number of using powered vessel establishments of more than 500 G.T. was particularly rapid.

2. Sea Fisheries Workers

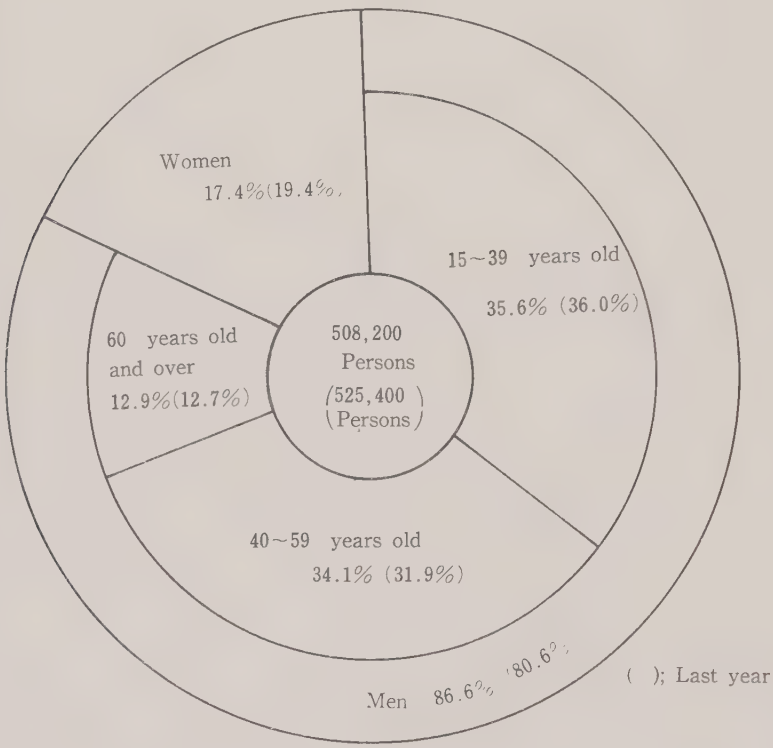


Fig. 8 RATIO OF SEA FISHERY WORKERS, 1972

Japanese sea fishery workers have continued to decline slightly in recent years. In 1972, the number of workers was 508.2 thousand, a decrease of 17.2 thousand or 3 percent since 1971.

The major reason for the decreased numbers of sea fisheries workers the rapid growth and comparably high wages in secondary industry, which has distributed to reduce the absolute numbers of workers in primary industries such as fisheries.

3. Fishing Boats

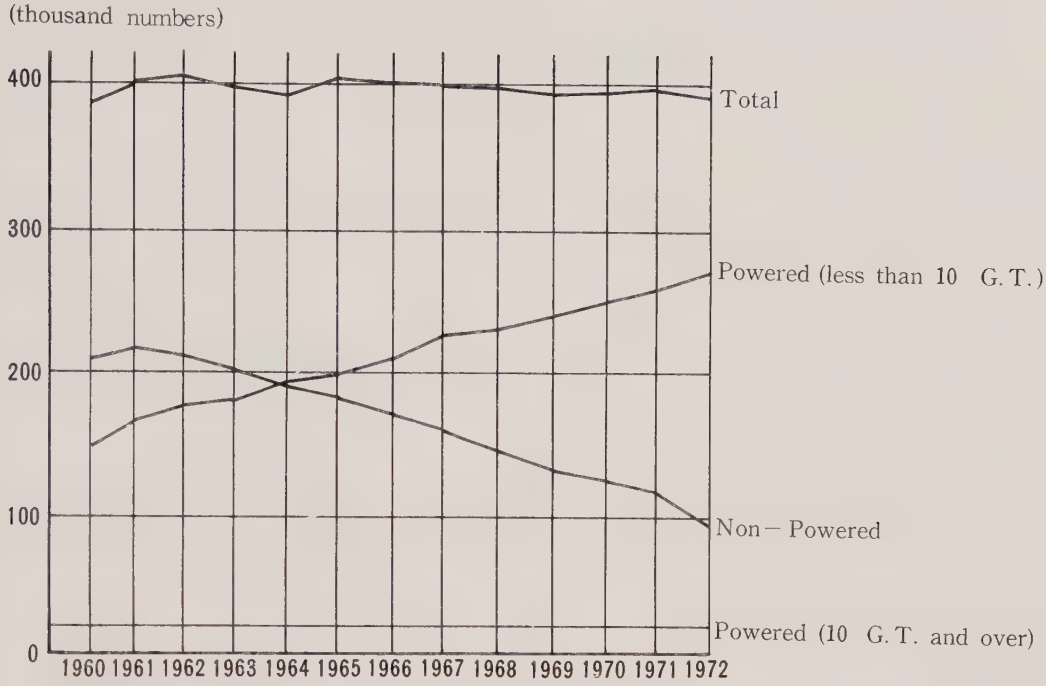


Fig. 9 NUMBER OF SEA FISHING BOATS, 1960～1972

The total number of Japanese sea fishing boats has slowly declined in recent years. In 1972 the total number of boats decreased by 9.7 thousand to 366.1 thousand. This amounted to a 2 perceny decrease from 1971. This was solely due to the number of non-powered boats decreasing more rapidly than the increase in the number of powered boats.

In every year from 1967 to 1972 the number of powered boats increased and the number of non-powered boats decreased. From 1967 to 1972 the percentage of powered boats as a part of the total increased from 63 percent to 79 percent. The largest increase in powered boats classified by deadweight tonnage were boats of less than 10 G.T. and boats between 100 and 500 G.T.

III. Exports and Imports of Japanese Fishey Products (excl.okinawa)

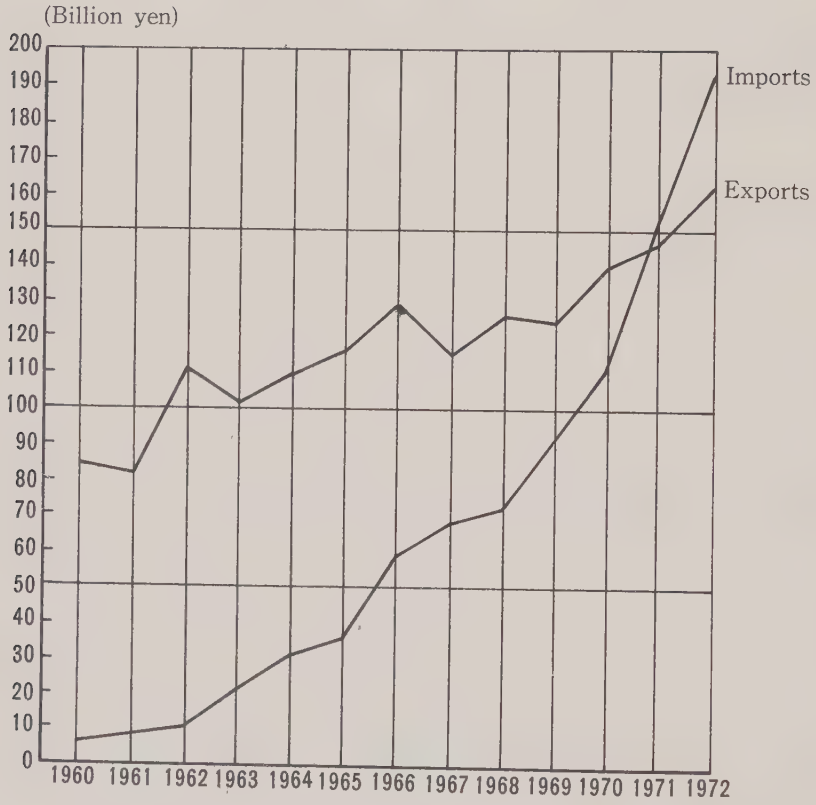


Fig. 10 VALUE OF FOREIGN TRADE, 1960~1972

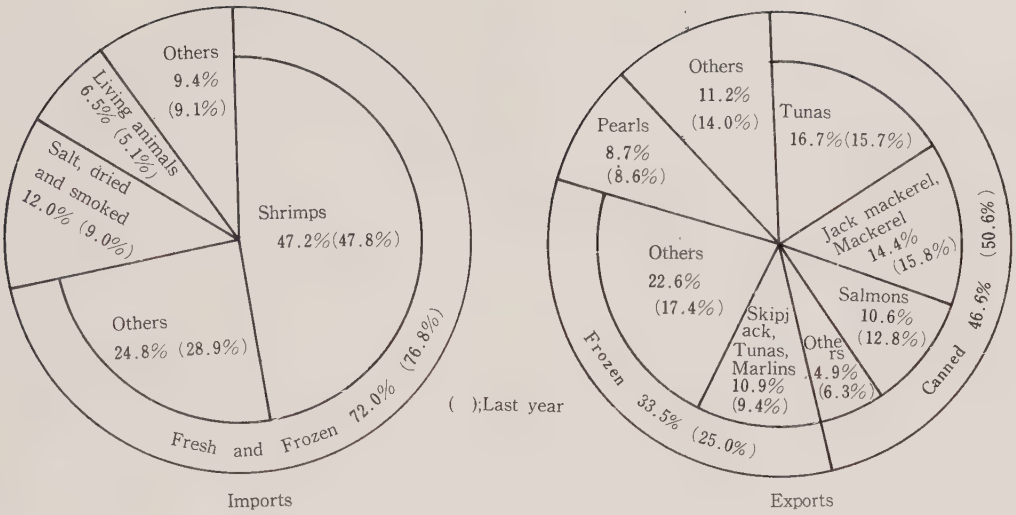


Fig. 11 RETIO OF VALUE BY COMMODITY OF FOREIGN TRADE, 1972

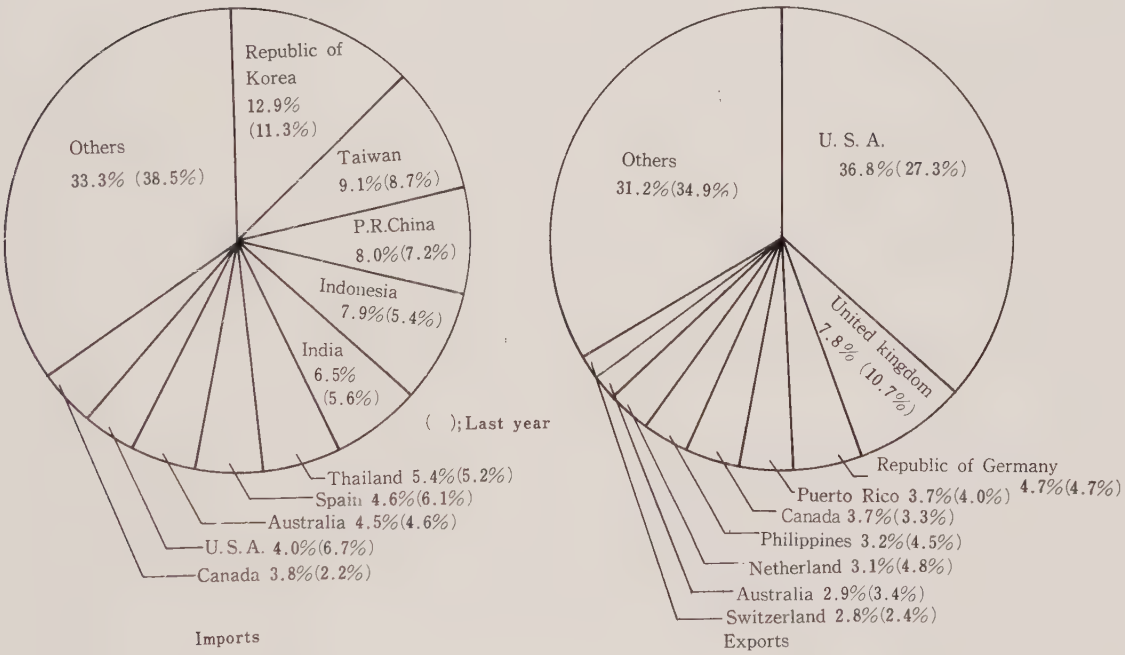


Fig. 12 RATIO OF VALUE BY CONTRIES OF FOREIGN TRADE, 1972

1. Imports

The importation value of fishery products has increased rapidly and consistently year after year. In 1972 the value of imported fishery products was ¥190.3 billion that is, by ¥37.0 billion or 24 percent up as compared with 1971. In 1971 and 1972, the import value exceeded the export value of fishery products. Imports increased in 1680 percent since 1962 and 180 percent since 1967.

In 1972, the value of fishery products imported accounted for 2.6 percent of total Japanese imports, and fresh and frozen fish products accounted for 72 percent of the value of fishery products. Particularly, shrimp constituted the major fish product.

Major contries from which fishery products were imported were: Republic of Korea (13%), Taiwan (9%), People's Republic of China (8%), Indonesia (8%), India (7%), Thailand (5%).

2. Exports

Exports of fishery products from Japan have increased gradually as compared with imports. In 1972 these amounted to ¥162.2 billion, which was by ¥15.5 billion or 11 percent more than the previous year. Exports increased 44 percent since 1962 and 38 percent since 1967. This export value represented 1.8 percent of total Japanese exports.

Canned reached ¥75.5 billion in 1972. Tunas, Jack mackerel and mackerel were the major items of canned.

Fresh and frozen fish products amounted to ¥54.5 billion. Particularly, skipjack, tunas and marlins constituted the major fresh and frozen fish products.

Major nations importing fishery products from Japan in 1972 were: U.S.A. (37%), United Kingdom (8%), Republic of Germany (5%), Puerto Rico (4%), Canada (4%), Philippines (3%).

STATISTICAL TABLES

(excluding Okinawa)

1. SUMMARY OF CATCH BY FISHERY SECTOR, 1940~1972

Quantity : Thousand metric tons.
Value : Hundred million yen.

Year	Sea Fisheries		Sea Cultures		Inland Water Fisheries		Inland Water Cultures		Total		Whalings	
	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Quantity	Value	Numbers	Value
1940	3,427	---	78	---	---	---	19	---	3,526	---	9,628	---
1945	1,750	---	61	---	---	---	12	---	1,824	---	531	---
1950	3,255	---	48	---	63	---	5	---	3,373	---	5,332	---
1951	3,774	---	88	---	60	---	6	---	3,930	---	6,335	---
1952	4,646	---	113	---	53	---	9	---	4,823	---	7,816	---
1953	4,387	---	144	---	57	---	8	---	4,598	---	6,631	---
1954	4,304	---	145	---	82	---	9	---	4,541	---	9,591	---
1955	4,658	---	154	---	82	---	11	---	4,907	---	11,866	---
1956	4,488	2,012	180	206	90	62	13	30	4,772	2,310	14,124	160
1957	5,067	2,303	244	174	81	73	14	31	5,407	2,582	15,439	213
1958	5,198	2,257	214	205	78	70	15	37	5,506	2,569	19,922	196
1959	5,568	2,535	225	236	75	69	15	36	5,884	2,877	20,527	221
1960	5,817	2,983	284	338	74	80	15	47	6,192	3,448	19,649	234
1961	6,287	3,340	322	455	81	93	18	64	6,710	3,952	20,845	267
1962	6,397	3,567	362	538	84	94	20	68	6,864	4,266	22,237	269
1963	6,200	3,988	389	650	84	98	23	94	6,698	4,830	22,370	309
1964	5,868	4,039	362	724	89	102	29	111	6,350	4,976	24,409	323
1965	6,382	4,516	380	816	113	100	33	126	6,908	5,558	26,986	366
1966	6,558	5,005	405	974	103	118	36	164	7,103	6,260	22,784	290
1967	7,241	5,677	470	1,074	97	109	42	166	7,851	7,026	21,088	252
1968	7,993	6,097	522	1,010	103	119	52	221	8,670	7,447	21,586	237
1969	7,976	6,928	473	1,130	112	144	52	285	8,613	8,488	17,409	221
1970	8,598	7,851	549	1,353	119	170	48	317	9,315	9,692	16,887	272
1971	9,149	8,957	609	1,374	101	214	50	349	9,909	10,894	16,419	314
1972	9,400	9,417	648	1,708	109	231	56	441	10,213	11,796	14,590	264

2. SUMMARY OF CATCH BY SPECIES, 1940～1972

Unit : Thousand metric tons.

Year	Sea Waters					Inland Waters					Total
	Fishes	Molluscs	Crus-taceans	Aquatic plants	Others	Fishes	Molluscs	Crus-taceans	Aquatic plants	Others	
1940	2,435	441	35	523	---	29	---	---	---	---	3,526
1945	1,222	313	31	228	---	13	---	---	---	---	1,824
1950	2,210	760	49	257	28	32	12	1	23	1	3,373
1951	2,572	922	56	290	22	30	12	1	23	2	3,930
1952	3,268	1,033	72	361	27	35	13	1	12	1	4,823
1953	3,253	889	70	292	27	37	15	1	12	2	4,598
1954	3,239	786	99	287	38	44	14	2	31	1	4,541
1955	3,541	802	106	310	53	52	14	3	25	1	4,907
1956	3,441	774	95	304	52	60	16	3	24	3	4,772
1957	3,877	894	108	402	27	64	24	5	2	4	5,407
1958	4,017	893	119	339	42	62	26	3	1	4	5,506
1959	4,267	1,027	119	337	44	59	26	1	1	4	5,884
1960	4,463	1,078	126	386	51	60	25	1	1	3	6,192
1961	5,015	985	138	425	49	66	28	2	1	3	6,710
1962	4,911	1,158	149	501	41	69	30	2	1	3	6,864
1963	4,653	1,303	159	425	51	72	33	1	1	2	6,698
1964	4,745	925	153	361	48	80	35	1	0	2	6,350
1965	5,093	1,082	132	406	52	86	56	1	0	2	6,908
1966	5,232	1,097	142	436	57	86	50	1	0	2	7,103
1967	5,742	1,225	149	534	60	92	42	2	0	2	7,851
1968	6,340	1,430	186	503	57	104	44	2	1	4	8,670
1969	6,561	1,238	153	444	53	107	51	3	1	3	8,613
1970	7,289	1,132	146	521	59	103	58	3	1	3	9,315
1971	7,913	1,065	126	587	66	107	36	5	1	2	9,909
1972	8,075	1,217	137	559	59	110	46	5	1	2	10,213

3. CATCH IN QUANTITY

Species	1967	1968	1969	1970	1971	1972
Grand Total 1)	**7,850,780**	**8,670,137**	**8,613,422**	**9,314,662**	**9,908,544**	**10,213,113**
Sea Fisheries 1)	**7,241,370**	**7,993,048**	**7,975,928**	**8,597,761**	**9,148,746**	**9,400,020**
Fishes	**5,712,303**	**6,307,788**	**6,528,303**	**7,245,352**	**7,850,527**	**7,996,464**
Albacore, tunas	367,324	352,887	332,749	291,017	307,965	318,090
Marlins, swordfishes	73,692	70,233	68,773	66,733	52,506	48,357
Skipjack, frigate mackerel	211,202	191,439	209,378	231,901	191,656	253,936
Sharks, rays	67,598	56,029	59,186	60,689	51,370	49,632
Salmons, trouts	148,419	113,790	141,309	117,896	139,299	119,601
Herring	63,672	67,920	85,240	97,374	100,483	62,198
Sardine, round herring	40,824	59,565	49,717	40,626	104,555	106,650
Anchovy	365,240	357,668	376,801	365,471	350,692	369,688
Jack mackerel, scad	423,352	358,092	340,588	269,311	315,470	193,842
Mackerels	687,474	1,015,279	1,011,406	1,301,918	1,253,892	1,189,910
Saury	220,087	140,204	63,288	93,129	190,288	196,615
Yellow tails	48,623	48,363	51,125	54,875	48,102	49,738
Flounders, halibut	299,708	261,017	296,367	295,410	347,697	356,845
Cod	96,070	109,470	103,780	117,119	95,320	87,604
Alaska pollack	1,247,003	1,606,025	1,944,320	2,346,710	2,707,443	3,035,285
Atka mackerel	81,912	86,855	102,581	146,516	147,209	180,552
Rock fishes	132,607	147,389	114,710	87,073	100,314	100,520
Croakers	85,620	70,980	66,137	64,311	49,878	41,916
Hairtail	68,307	59,904	63,565	54,855	45,974	49,634
Sea breams	40,539	37,782	38,137	38,329	29,383	32,782
Spanish mackerels	6,950	19,915	21,141	19,870	17,444	20,857
Sand lance	102,482	150,473	106,541	227,077	271,936	194,930
Others	843,598	926,510	881,464	857,142	931,651	937,282
Crustacea	**148,296**	**185,440**	**152,753**	**145,509**	**125,666**	**136,738**
Spiny lobster	1,551	1,690	1,602	1,485	1,334	1,414
"Kuruma" prawn	2,031	1,573	1,290	1,263	1,983	2,232
Other prawns, shrimps	58,599	64.440	56,593	52,889	47,834	54,630
King crab	30,275	30,350	22,522	17,557	10,539	9,650
Queen crab	31,864	61,679	52,311	53,265	42,352	41,730
Other crabs	23,976	25,708	18,435	19,050	21,624	27,082
Mollusca	**992,631**	**1,161,867**	**992,055**	**935,864**	**860,748**	**975,978**
Common squid	477,012	668,364	478,160	412,240	364,349	464,365
Other squids, cuttlefishes	119,836	105,413	111,638	106,677	118,169	135,085
Octopuses	98,130	102,718	92,418	96,127	85,507	66,857
Abalone	5,958	6,141	6,463	6,466	5,659	5,815
Short necked clams	121,618	120,401	116,572	141,997	126,414	115,613
Common scallop	6,819	4,989	14,644	16,477	14,439	23,454
"Mogai" clam	40,681	37,876	38,289	28,276	59,949	36,059
Other clams, shellfishes	122,577	115,965	133,871	127,604	86,262	128,730
Echinodermata, etc.	**60,090**	**55,151**	**51,800**	**57,764**	**64,969**	**56,653**
Marine mammals 1)	**1,033**	**1,288**	**1,026**	**1,512**	**937**	**1,680**

BY SPECIES, 1967~1972

Unit ; Metric tons.

Species	1967	1968	1969	1970	1971	1972
Sea weeds	**318,017**	**281,513**	**249,991**	**211,760**	**245,899**	**232,507**
Kelps	175,883	169,874	147,580	110,780	151,725	155,415
"Wakame" seaweed	63,533	48,263	38,016	45,574	38,480	21,364
Others	78,601	63,376	64,395	55,406	55,694	55,728
Sea Cultures	**470,137**	**521,941**	**473,293**	**549,082**	**608,684**	**647,905**
Yellow tail	21,169	31,777	32,722	43,300	61,743	76,913
Pearl	125	112	97	85	49	42
Oyster	232,200	267,388	245,458	190,799	193,846	217,373
"Nori" seaweed	157,550	144,969	134,320	231,464	244,946	217,906
"Wakame" seaweed	58,080	76,698	59,821	76,360	94,350	105,678
Others	1,013	997	875	7,074	13,750	29,993
Inland Water Fisheries	**97,421**	**103,212**	**112,157**	**119,364**	**100,716**	**109,357**
Salmons, trouts	4,349	2,602	3,214	3,171	3,985	3,554
Sweet fish	7,435	9,217	10,329	9,879	10,523	9,716
Carps	13,170	13,671	13,555	14,486	15,023	14,898
Eel	3,162	3,124	3,194	2,726	2,624	2,418
Corbicula	40,477	42,681	48,992	56,144	33,981	44,278
Others	28,828	31,917	32,873	32,958	34,580	34,493
Inland Water Cultures	**41,852**	**51,936**	**52,044**	**48,455**	**50,398**	**55,831**
Trouts	7,882	9,454	10,254	10,632	12,749	13,515
Carps	12,508	16,075	15,747	17,256	19,049	24,220
Eel	19,605	23,640	23,276	16,730	14,233	13,355
Others	1,857	2,767	2,767	3,837	4,367	4,741
Whaling 2)	**21,088**	**21,586**	**17,409**	**16,887**	**16,419**	**14,590**
Blue whale	-	-	-	-	-	-
Fin whale	1,307	1,395	2,473	2,416	2,215	1,760
Humpback whale	-	-	-	-	-	-
Sei whale	12,725	11,915	7,641	7,287	7,114	6,706
Sperm whale	6,031	6,861	6,668	6,548	6,465	5,573
Mink whale	286	836	287	330	291	354
Bottlenose whale	107	117	138	113	118	86
Pilot whale	237	166	130	152	181	91
Others	395	296	72	41	35	20
(Blue Whale Unit)	2,774	2,683	2,509	2,442	2,293	1,998

Note: 1) Excluded whale.
2) Actual number of catch

4. CATCH IN VALUE

Species	1967	1968	1969	1970	1971	1972
Grand Total 1)	**702,626**	**744,748**	**848,763**	**969,156**	**1,089,405**	**1,179,636**
Sea Fisheries 1)	**567,740**	**609,698**	**692,807**	**785,149**	**895,728**	**941,682**
Fishes	**440,734**	**462,416**	**522,601**	**590,280**	**656,481**	**697,528**
Albacore, tunas	75,139	78,279	88,331	99,367	128,144	139,000
Marlins, swordfishes	15,939	17,956	19,126	21,464	20,520	20,399
Skipjack, frigate mackerel	19,912	19,812	24,304	31,450	33,600	41,767
Sharks, rays	3,335	2,985	3,306	3,315	3,054	3,134
Salmons, trouts	42,397	35,481	48,251	42,277	44,541	45,073
Herring	5,241	5,098	8,442	11,568	9,938	5.653
Sardine, round herring	3,388	4,536	4,611	5,781	8,735	8,533
Anchovy	12,282	11,958	12,455	14,495	14,033	17,135
Jack mackerel, scad	22,927	21,736	22,842	26,378	27,648	27,622
Mackerels	24,211	32,070	27,498	36,398	32,864	37,153
Saury	10,602	7,779	10,261	12,012	15,891	12,004
Yellow trails	13,106	13,326	15,963	19,542	20,162	19,072
Flounders, halibut	21,668	22,601	27,382	34,558	37,636	45,875
Cod	4,479	5,387	5,712	7,457	7,286	6,708
Alaska pollack	28,507	36,773	46,889	53,778	61,338	69,089
Atka mackerel	2,287	2,322	2,883	2,570	2,925	3,558
Rock fishes	8,596	9,684	9,106	9,206	11,312	11,301
Croakers	9,503	8,114	6,968	6,670	5,396	5,280
Hairtail	4,382	4,696	5,531	4,601	4,460	5,480
Sea breams	16,202	16,720	20,111	22,339	21,746	26,447
Spanish mackerels	1,733	2,923	2,380	3,691	2,757	3,398
Sand lance	1,730	2,514	2,038	4,714	6,272	6,025
Others	93,168	99,666	108,211	116,647	136,223	137,821
Crustacea	**30,294**	**35,862**	**38,247**	**40,909**	**45,391**	**55,664**
Spiny lobster	2,030	2,292	2,412	3,096	2,940	3,573
"Kuruma" prawn	3,096	3,084	3,160	3,124	5,112	6,078
Other prawns, shrimps	11,234	12,370	13,904	15,019	17,545	23,963
King crab	6,764	7,362	5,349	4,769	3,495	3,788
Queen crab	3,842	6,526	9,056	10,465	10,915	10,646
Other crabs	3,328	4,228	4,366	4,436	5,384	7,616
Mollusca	**72,503**	**91,021**	**108,244**	**124,878**	**160,057**	**154,320**
Common squid	22,636	33,811	40,888	48,972	78,809	67,908
Other squids, cuttlefishes	18,420	20,588	28,411	20,593	27,177	37,458
Octopuses	14,160	15,654	12,928	25,369	20,990	15,312
Abalone	3,743	4,684	5,692	6,276	6,654	8,149
Short necked clams	2,435	2,648	3,025	3,604	3,869	4,704
Common scallop	871	626	1,833	2,621	2,983	3,971
"Mogai" clam	1,419	1,465	1,918	1,704	4,971	1,360
Other clams, shell fishes	8,819	11,545	13,549	15,739	14,604	15,458
Echinodermata, etc.	**4,676**	**5,425**	**7,044**	**9,030**	**11,218**	**11,003**
Marine mammals 1)	**48**	**78**	**73**	**117**	**135**	**163**

BY SPECIES 1967～1972

Unit ; Million yen

Species	1967	1968	1969	1970	1971	1972
Sea weeds	**19,488**	**14,897**	**16,597**	**19,936**	**22,444**	**23,003**
Kelps	10,696	8,642	8,669	11,324	15,122	17,013
"Wakame" seaweed	4,508	2,774	3,439	4,672	3,787	2,107
Others	4,284	3,481	4,489	3,940	3,535	3,882
Sea Cultures	**107,371**	**100,972**	**113,044**	**135,276**	**137,383**	**170,776**
Yellow tail	8,454	13,050	15,180	21,157	34,255	45,372
Pearl	30,821	20,396	22,600	20,105	10,823	13,893
Oyster	6,340	8,087	8,149	8,627	10,369	12,189
"Nori" seaweed	54,307	53,315	59,788	74,527	66,450	76,948
"Wakame" seaweed	3,076	3,246	3,611	6,506	6,958	8,397
Others	4,373	2,878	3,716	4,354	8,528	13,977
Inland Water Fisheries	**10,879**	**11,942**	**14,419**	**17,019**	**21,371**	**23,079**
Salmons, trouts	919	670	928	1,092	1,427	1,462
Sweet fish	3,780	4,913	4,514	5,177	8,113	8,579
Carps	1,791	1,821	2,486	2,957	2,887	3,252
Eel	1,499	1,699	2,335	2,990	3,138	2.998
Corbicula	324	341	490	674	1,257	1,700
Others					4,549	5,088
Inland Water Cultures	**16,637**	**22,136**	**28,492**	**31,712**	**34,923**	**44,099**
Trouts	1,553	1,881	2,000	2,509	4,755	5,041
Carps	2,522	2,978	4,100	5,074	7,067	7,547
Eel	11,194	15,484	20,483	22,084	18,788	26,096
Others	1,368	1,793	1,909	2,045	4,314	5,416
Whaling	**25,227**	**23,672**	**22,107**	**27,195**	**31,374**	**26,399**

Note : 1) Excluded whale.

5. CATCH IN QUANTITY BY FISHERY TYPE, 1967~1972

Unit ; Metric tons.

Type of Fisheries	1967	1968	1969	1970	1971	1972
Grand Total 1)	**7,850,780**	**8,670,133**	**8,613,422**	**9,314,662**	**9,908,544**	**10,213,113**
Sea Fisheries 1)	**7,241,370**	**7,993,048**	**7,975,928**	**8,597,761**	**9,148,756**	**9,400,020**
Distant Waters	**2,402,582**	**2,830,343**	**3,165,260**	**3,429,038**	**3,673,686**	**3,939,311**
King crab gill net	23,821	47,275	34,637	32,725	22,781	21,927
Salmon drift gill net	42,544	37,642	40,274	36,409	37,238	35,205
Large trawls 2)	1,839,530	2,266,292	2,594,189	2,883,058	3,164,953	3,375,004
Tuna long lines	354,390	341,069	313,270	276,028	245,361	231,277
Skipjack pole-and-line	142,294	125,948	145,767	162,195	164,770	201,785
Others	-	12,117	37,123	38,623	38,583	74,113
Coastal and Offshore Waters	**4,838,791**	**5,162,704**	**4,810,668**	**5,168,723**	**5,475,060**	**5,460,709**
Medium trawls	583,417	572,391	607,918	765,490	894,863	997,006
Small trawls	276,112	268,888	264,674	243,145	265,283	324,811
Purse seines	1,199,553	1,531,144	1,484,453	1,697,241	1,820,862	1,686,319
Saury stick-held-dip net	216,124	126,893	51,364	83,730	171,419	177,483
Other lift nets	94,486	103,714	64,946	87,968	106,007	84,775
Gill nets	363,527	365,414	358,253	384,386	405,063	327,838
Set nets	246,134	220,278	240,694	257,532	262,511	262,427
Skipjack pole-and-line	78,329	70,291	76,861	74,431	65,328	89,346
Squid angling	471,958	649,056	467,491	403,692	364,577	465,474
Other anglings	231,007	224,157	218,142	189,061	142,971	124,395
Tuna long line	74,751	77,937	79,141	76,542	71,343	72,686
Other long lines	164,928	143,567	114,002	110,032	97,954	87,960
Shellfish collectings	182,400	174,104	190,680	231,777	184,161	159,051
Seaweed collectings	313,351	277,955	246,553	208,905	243,480	230,065
Others	342,514	357,916	345,496	354,791	379,238	371,073
Sea Cultures	**470,137**	**521,941**	**473,293**	**549,082**	**608,684**	**647,905**
Inland Water Fisheries	**97,421**	**103,212**	**112,157**	**119,364**	**100,716**	**109,357**
Inland Water Cultures	**41,852**	**51,932**	**52,044**	**48,455**	**50,398**	**55,831**
Whaling 3)	**21,088**	**21,586**	**17,409**	**16,887**	**16,419**	**14,590**
Antarctic factory ship type	9,459	8,443	5,358	5,680	7,082	6,571
North Pacific factory ship type	7,318	7,548	7,178	6,463	4,876	4,039
Coastal large whale type	3,287	4,777	4,299	4,118	3,842	3,442
Coastal small whale type	1,024	818	574	626	619	538

Note : 1) Excluded whale.

2) Including value of medium trawls operated on the North Pacific Ocean.

3) Actual number of catch.

6. CATCH IN VALUE BY FISHERY TYPE, 1967~1972

Unit ; Hundred million yens.

Type of Fisheries	1967	1968	1969	1970	1971	1972
Grand Total 1)	**7,026**	**7,447**	**8,488**	**9,692**	**10,894**	**11,796**
Sea Fisheries 1)	**5,677**	**6,097**	**6,928**	**7,851**	**8,957**	**9,417**
Distant Waters	**2,193**	**2,381**	**2,702**	**2,969**	**3,348**	**3,473**
King crab gill net	61	75	78	71	78	71
Salmon drift gill net	164	143	197	174	145	133
Large trawls 2)	1,127	1,273	1,391	1,505	1,681	1,759
Tuna long lines	677	723	797	895	1,048	1,077
Skipjack pole-and-line	164	148	195	253	340	386
Others	-	19	44	71	56	47
Coastal and Offshore Waters	**3,484**	**3,716**	**4,226**	**4,882**	**5,609**	**5,944**
Medium trawls	247	250	285	345	385	451
Small trawls	329	365	424	465	555	623
Purse seines	597	717	659	819	873	977
Saury stick-held-dip net	97	68	89	104	144	103
Other lift nets	44	48	39	58	65	63
Gill nets	431	451	551	579	588	627
Set nets	295	275	360	417	515	504
Skipjack pole-and-line	87	82	108	114	114	171
Squid angling	234	335	408	484	792	716
Other anglings	223	222	255	282	269	296
Tuna long line	123	137	157	188	220	247
Other long lines	221	198	211	221	210	210
Shellfish collectings	99	106	144	165	154	170
Seaweed collectings	192	147	164	197	223	229
Others	265	315	372	445	501	558
Sea Cultures	**1,074**	**1,010**	**1,130**	**1,353**	**1,374**	**1,708**
Inland Water Fisheries	**109**	**119**	**144**	**170**	**214**	**231**
Inland Water Cultures	**166**	**221**	**285**	**317**	**349**	**441**
Whaling	**252**	**237**	**221**	**272**	**314**	**264**
Antarctic factory ship type	151	133	117	148	192	164
North Pacific factory ship type	83	82	80	95	93	75
Coastal large whale type	17	21	22	27	26	24
Coastal small whale type	2	1	2	2	2	2

Note : 1) Excluded whale.

2) Including value of medium trawls operated on the North Pacific Ocean.

7. CATCH BY MAJOR SPECIES AND BY SEA FISHERY TYPE, 1967~1972

1. Albacore, tunas

Unit : Metric tons

	1967	1968	1969	1970	1971	1972
Total catch	**367,324**	**352,887**	**332,749**	**291,017**	**307,965**	**318,090**
Mother ship type tuna long line	32,578	42,265	30,778	18,920	15,521	9,031
Tuna long line, operated on Atlantic Ocean	20,432	19,627	12,509	12,190	8,707	2,489
Tuna long line, based at foreign ports	20,470	18,257	12,041	7,041	4,223	2,349
Tuna long line, based at domestic ports	228,155	218,675	219,552	202,548	201,736	211,796
Skipjack pole and line	43,785	27,776	43,059	34,390	62,927	76,425
Purse seines	9,608	16,390	7,757	8,582	8,231	9,530
Large set net	2,899	3,100	2,111	2,720	1,425	1,819
Others	9,397	6,767	4,942	4,626	5,195	4,651

2. Marlins, sword fishes

Total catch	**73,692**	**70,233**	**68,773**	**66,733**	**52,506**	**48,357**
Tuna long line, mothership type	5,968	6,424	4,461	4,247	3,817	1,515
Tuna long line, operated on Atlantic Ocean	1,687	1,384	1,515	1,968	295	425
Tuna long line, based at foreign ports	1,893	1,288	1,004	1,185	752	156
Tuna long line, based at domestic ports	60,757	57,543	56,822	55,651	44,407	44,087
Large set nets	261	260	275	294	206	232
Others	3,126	3,334	4,696	3,388	3,039	1,942

3. Skipjack, frigate markerel

Total catch	**211,202**	**191,439**	**209,378**	**231,901**	**191,656**	**253,936**
Skipjack pole and line	175,036	166,550	178,330	200,814	165,466	212,124
Purse seine, one boat operation	5,945	5,333	7,380	4,673	9,938	16,834
Purse seine, two boat operation	7,185	3,243	4,884	5,144	3,566	2,853
Other anglings	3,271	5,569	8,596	8,613	3,563	7,795
Tuna long lines	6,786	1,133	1,362	1,645	416	505
Set nets	9,732	7,700	6,685	4,649	4,439	8,269
Others	3,247	1,911	2,141	6,363	4,264	5,556

4. Salmons, trouts

Total catch	**148,419**	**113,790**	**141,309**	**117,896**	**139,299**	**119,601**
Mother ship type salmon drift gill net	42,544	37,642	40,274	36,409	37,238	35,205
Salmon drift gill net	57,692	51,237	54,955	45,615	47,009	54,656
Other long lines	28,097	13,394	26,889	13,791	18,573	2,749
Large set nets	13,431	7,254	12,601	16,700	24,678	20,627
Small set nets	3,709	2,362	3,699	3,613	6,976	3,680
Others	2,946	1,901	2,891	1,768	4,825	2,684

5 . Herring

Unit : Metric tons

	1967	1968	1969	1970	1971	1972
Total catch	**63,672**	**67,920**	**82,240**	**97,374**	**100,483**	**62,198**
Mother ship type large trawl	31,448	22,773	11,615	9,392	9,951	2,444
Medium trawls	1,867	16,026	6,105	9,628	8,414	4,654
Large set nets	21	8	6	10	7	2
Small set nets	7,365	321	879	69	151	51
Other gill nets	21,518	17,731	35,542	55,128	59,686	41,163
Others	1,453	11,061	31,093	23,147	22,274	13,884

6 . Anchovy

Total catch	**365,240**	**357,668**	**376,801**	**365,471**	**350,692**	**369,688**
Purse seine of one boat operation	49,749	80,826	77,467	88,729	82,752	85,936
Purse seine of two boat operation	186,081	148,113	174,444	153,568	154,886	144,515
Other surrounding nets	11,593	18,788	4,400	2,453	2,028	1,631
Other lift nets	10,609	15,552	12,223	10,356	9,886	9,587
Set nets	25,278	12,431	21,379	19,483	26,360	17,233
Others	81,930	81,958	86,878	90,882	74,780	110,786

7 . Jack mackerel, scad

Total catch	**423,352**	**358,092**	**340,588**	**269,311**	**315,470**	**193,842**
Purse seine of one boat operation	300,215	246,049	231,679	169,406	245,765	139,555
Purse seine of two boat operation	43,098	35,354	39,179	33,899	29,956	25,169
Other surrounding nets	10,585	5,899	6,091	2,317	2,995	1,591
Other lift nets	25,366	23,443	12,584	11,065	10,795	7,994
Other angling	5,342	4,689	4,802	4,482	3,522	3,351
Set nets	25,028	25,372	26,611	22,007	18,375	12,588
Trawls	2,034	10,937	15,276	22,494	1,811	1,000
Others	11,684	6,349	4,366	3,641	2,551	2,594

8 . Mackerels

Total catch	**687,474**	**1,015,279**	**1,011,406**	**1,301,918**	**1,253,892**	**1,189,910**
Mackerel pole and line	137,752	132,848	126,213	96,658	56,958	33,940
Purse seine of one boat operation	215,524	383,773	545,285	773,146	869,216	932,030
Purse seine of two boat operation	265,854	428,312	279,411	344,879	259,915	157,374
Other surrounding nets	2,395	3,035	2,559	2,879	1,529	893
Other lift nets	17,632	17,365	11,370	19,019	21,990	22,323
Others	48,317	49,946	46,568	65,337	44,284	43,350

9 . Saury

Total catch	**220,087**	**140,204**	**63,288**	**93,129**	**190,288**	**196,615**
Saury stick-held dip net	216,100	126,821	51,259	83,683	171,393	177,364
Other gill nets	1,707	5,839	7,987	7,310	11,293	13,033
Surrounding nets	736	6,067	704	311	97	488
Set nets	1,495	1,380	3,204	1,671	6,941	4,757
Others	46	97	134	154	564	973

10. Yellow tails

Unit : Metric tons

	1967	1968	1969	1970	1971	1972
Total catch	**48,623**	**48,363**	**51,125**	**54,875**	**48,102**	**49,738**
Large set nets	18,285	14,456	17,824	16,473	15,179	14,755
Small set nets	2,791	3,061	3,525	4,328	4,218	4,174
Purse seines	10,065	8,550	9,729	8,758	7,831	11,411
Other anglings	12,144	14,956	13,396	17,567	13,838	12,997
Others	5,338	7,340	6,651	7,749	7,036	6,401

11. Flounders, halibut

Total catch	**299,708**	**261,017**	**296,367**	**295,410**	**347,697**	**356,845**
Mother ship type large trawl	110,085	70,734	113,600	101,748	134,368	108,039
Large trawl	36,310	37,236	47,136	57,393	70,061	106,430
Large trawl, west of 130°E in East China Sea	16,112	16,052	18,312	15,545	16,512	17,149
Medium trawls	76,994	67,628	53,106	52,012	56,074	54,152
Small trawls	25,341	26,358	26,174	26,629	27,695	27,278
Other gillnets	25,250	29,247	28,172	31,768	33,446	31,394
Others	9,616	13,762	9,867	10,315	9,541	12,403

12. Cod

Total catch	**96,670**	**109,470**	**103,780**	**117,119**	**95,320**	**87,604**
Mother ship type large trawl	32,415	42,157	39,439	48,403	17,511	19,617
Large trawls	18,652	28,883	29,507	40,165	38,756	28,909
Medium trawls	18,252	15,773	14,379	10,558	23,932	24,645
Small trawls	1,901	1,176	1,353	1,003	1,183	820
Other gill nets	4,538	3,875	3,617	3,383	3,583	3,861
Other long lines	19,433	16,759	13,201	12,326	9,087	6,921
Others	879	847	2,284	1,281	1,268	2,831

13. Alaska pollack

Total catch	**1,247,003**	**1,606,025**	**1,944,320**	**2,346,710**	**2,707,443**	**3,035,285**
Mother ship type large trawl	561,779	686,235	677,730	1,030,825	1,075,150	1,154,967
Large trawls	252,712	547,159	870,379	898,133	1,130,301	1,284,330
Medium trawls	257,652	202,407	248,317	251,446	341,086	450,981
Small trawls	930	1,340	1,865	2,023	2,518	2,398
Other gill nets	140,480	147,735	131,967	146,167	143,638	115,950
Other long lines	32,220	20,914	13,687	17,158	13,877	25,537
Others	1,230	235	375	958	873	1,122

14. Croakers

Total catch	**84,620**	**70,980**	**70,137**	**64,311**	**49,878**	**41,916**
Large trawl, on distant waters	316	269	228	8	1,102	1,304
Large trawl, west of 130°E in East China Sea	80,502	67,494	62,773	59,934	44,252	35,554
Medium trawls	385	364	255	197	204	489
Small trawls	1,663	1,314	1,238	1,184	1,473	1,798
Others	1,754	1,539	1,643	2,988	2,847	2,771

15. Sea breams

Unit : Metric tons

	1967	1968	1969	1970	1971	1972
Total catch	**40,539**	**37,782**	**38,137**	**38,329**	**29,383**	**32,782**
Large trawl, on distant waters	2,154	804	4,503	6,233	1,328	3,472
Large trawl, west of 130°E in East China Sea	5,299	4,727	3,921	3,883	2,914	4,044
Medium trawls	3,861	3,157	2,372	2,125	1,709	1,982
Small trawls	2,630	2,067	2,403	2,153	1,938	2,709
Other anglings and long lines	17,307	15,720	11,442	10,964	10,397	11,081
Set nets	1,810	2,419	2,044	2,242	1,816	2,001
Others	7,478	8,888	11,452	10,729	9,281	7,493

16. Shrimps, prawns, lobster

Total catch	**62,181**	**67,703**	**59,485**	**55,637**	**51,151**	**58,276**
Mother ship type large trawl	3,287	8,754	4,412	1,950	2,057	---
Large trawl, in Bering sea	1,299	5,696	5,094	2,541	708	2
Large trawls, west of 130°E in East China Sea	1,869	3,003	3,496	2,955	1,654	1,851
Medium trawls	5,908	6,778	8,323	5,528	3,356	2,815
Small trawls	33,277	28,242	27,169	27,430	28,729	35,237
Other surrounding nets	9,374	7,659	3,398	3,966	3,116	3,531
Others	7,167	7,571	7,593	11,267	11,531	14,838

17. Crabs

Total catch	**86,115**	**117,737**	**93,268**	**89,872**	**74,515**	**78,462**
Mother ship type kingcrab gill net	23,821	47,275	34,637	32,725	22,781	21,927
Medium trawls	9,125	10,504	10,637	12,047	12,014	11,155
Small trawls	4,906	5,822	4,862	5,296	4,506	4,251
Other gill nets	9,143	8,696	6,098	3,763	4,085	4,907
Others	39,120	45,440	37,034	36,041	31,129	37,032

18. Squids, Cuttlefishes

Total catch	**596,848**	**773,777**	**589,798**	**518,917**	**482,518**	**599,450**
Squid anglings	471,464	648,859	467,156	403,292	364,175	465,267
Large trawls, on distant waters	44,191	37,466	40,825	35,086	37,159	45,371
Large trawls, west of 130°E in East China Sea	20,214	20,093	17,451	19,295	22,864	21,943
Medium trawls	11,405	13,635	13,198	14,888	15,671	22,171
Small trawls	7,416	6,360	7,766	8,461	8,617	9,026
Large set nets	16,101	13,929	11,931	13,941	10,397	11,480
Small set nets	13,698	19,162	17,021	11,799	10,209	13,207
Others	12,359	14,273	14,450	12,155	13,426	10,985

19. Octopuses

Total catch	**98,130**	**12,718**	**92,418**	**96,127**	**85,507**	**66,857**
Large trawls	55,178	64,791	52,213	50,853	38,063	25,287
Medium trawls	3,692	3,973	4,111	4,112	3,127	3,063
Small trawls	8,295	7,560	8,618	9,122	8,972	9,163
Other anglings	3,859	2,939	2,910	2,471	2,579	2,296
Other long lines	9,030	7,529	6,568	9,335	11,302	6,407
Others	18,076	15,926	17,998	20,234	21,464	20,641

8. NUMBER OF SEA FISHING ESTABLISHMENTS, 1967~1972

Unit ; Number.

Strata	1967	1968	1969	1970	1971	1972
GRAND TOTAL	**227,547**	**228,758**	**232,219**	**228,215**	**225,438**	**223,202**
Fisheries using non-powered boats	22,576	20,083	15,512	12,877	9,937	8,256
Fisheries using powered boats						
Less than 3 tons	96,463	99,220	103,705	102,051	101,568	101,235
3 - 5 tons	16,952	20,739	20,601	20,816	21,825	23,647
5 - 10 tons	6,129	6,173	7,007	7,051	7,304	7,817
10 - 30 tons	5,078	4,970	5,216	5,186	5,193	5,445
30 - 100 tons	2,747	2,629	2,729	2,717	2,781	2,905
100 - 200 tons	646	620	663	691	711	704
200 - 500 tons	538	541	563	587	584	609
500 - 1,000 tons	248	243	267	263	252	258
1,000 tons and over	141	154	156	169	172	186
Large set nets	872	711	827	847	861	867
Small set nets	6,377	5,074	5,577	5,701	5,807	5,841
Beach seine	919	1,069	904	811	784	758
Laver culture	46,932	47,767	48,487	48,585	47,226	43,028
Oyster culture	3,699	3,299	3,658	3,484	3,471	3,413
Pearl culture	4,277	3,642	3,675	3,380	2,808	2,522
Other culture	12,953	11,824	12,672	12,999	14,154	15,711

Note; 1. Excluding fishing establishments without fishing boat.
2. Excluding fishing establishments which engaged less than 30 days in a year.

9. SEA FISHERY WORKERS, 1967~1972

Unit ; 1,000 persons.

	1967	1968	1969	1970	1971	1972
Grand Total	**592.8**	**593.8**	**572.1**	**549.4**	**525.4**	**508.2**
Men	485.5	486.2	458.8	437.9	423.5	419.5
15 - 39 years old	236.1	236.7	215.7	202.7	189.3	180.7
40 - 59 years old	177.6	178.7	172.8	167.3	167.7	173.1
60 years old and over	71.6	70.7	70.4	67.9	66.5	65.7
Women	107.3	107.7	113.3	111.5	101.9	88.6

10. NUMBER OF FISHING BOATS, 1967~1972

Size	1967	1968	1969	1970	1971	1972
GRAND TOTAL	**398,002**	**397,279**	**391,390**	**391,789**	**396,941**	**387,276**
Sea	**378,366**	**375,500**	**370,518**	**370,609**	**374,516**	**366,143**
Non-powered	139,283	126,709	116,945	104,957	97,613	78,225
Powered	239,083	248,791	253,573	265,652	276,903	287,918
Less than 5 G.T.	213,029	222,956	227,599	239,412	250,081	260,203
5 - 9 G.T.	8,448	8,464	8,632	8,923	9,395	9,919
10 - 49 G.T.	12,013	11,598	11,358	11,085	11,050	11,066
50 - 99 G.T.	3,353	3,292	3,339	3,444	3,460	3,701
100 - 199 G.T.	971	1,091	1,149	1,212	1,244	1,237
200 - 499 G.T.	953	1,063	1,172	1,251	1,349	1,474
500 - 999 G.T.	128	126	119	117	115	108
1,000 G.T. and over	188	201	205	208	209	210
Inland Water	**19,636**	**21,779**	**20,872**	**21,180**	**22,425**	**21,133**
Non-powered	14,933	17,026	15,658	15,643	16,746	14,842
Powered	4,703	4,753	5,214	5,537	5,679	6,291
Less than 5 G.T.	4,700	4,750	5,211	5,532	5,675	6,288
5 G.T. and over	3	3	3	5	4	3

11. GROSS TONNAGES OF FISHING BOATS, 1967~1972

Size	1967	1968	1969	1970	1971	1972
GRAND TOTAL	**2,375,512**	**2,415,421**	**2,457,699**	**2,531,318**	**2,546,992**	**2,612,074**
Sea	**2,362,110**	**2,401,092**	**2,443,170**	**2,516,245**	**2,531,435**	**2,596,854**
Non-powered	106,831	92,118	80,781	72,520	67,397	58,027
Powered	2,255,279	2,308,973	2,362,389	2,443,725	2,464,037	2,538,827
Less than 5 G.T.	370,666	384,660	391,305	409,216	426,912	445,918
5 - 9 G.T.	63,699	64,131	65,517	68,082	72,177	76,444
10 - 49 G.T.	282,145	271,044	261,403	252,433	247,614	245,123
50 - 99 G.T.	276,337	268,909	272,671	278,707	277,371	299,197
100 - 199 G.T.	148,667	166,354	174,593	182,826	186,315	184,879
200 - 499 G.T.	304,473	340,242	373,464	403,768	433,633	471,289
500 - 999 G.T.	95,519	95,012	90,549	89,542	87,857	82,542
1,000 G.T. and over	713,772	718,621	732,887	759,152	732,158	733,433
Inland Water	**13,402**	**14,329**	**14,528**	**15,073**	**15,557**	**15,220**
Non-powered	7,354	8,172	7,882	8,202	8,495	7,457
Powered	6,048	6,157	6,646	6,870	7,062	7,763
Less than 5 G.T.	6,020	6,129	6,618	6,822	7,021	7,736
5 G.T. and over	28	28	28	48	41	27

12. PROCESSED FISHERY

Processed products 1)	1967	1968	1969	1970	1971	1972
Boiled and dried	**88.9**	**101.6**	**80.8**	**83.3**	**84.1**	**89.9**
Anchovies	58.8	68.8	58.1	58.0	59.6	66.4
Jack mackerel	6.5	8.4	6.2	6.4	5.5	5.0
Sand lance	6.3	8.3	4.4	4.4	5.3	4.3
Others	17.2	16.1	12.1	14.5	13.7	14.2
Cured	**82.0**	**89.2**	**93.5**	**98.4**	**95.0**	**106.3**
Mackerels	9.5	13.9	14.5	20.8	22.4	26.9
Skipjack	20.0	20.5	21.3	21.8	20.7	23.6
Others	52.4	54.8	57.7	55.8	51.9	55.8
Dried	**45.2**	**48.6**	**38.0**	**41.9**	**39.5**	**46.1**
Herring	9 6	10.8	13.4	17.5	18.3	19.7
Squids	25.1	27.0	14.5	11.1	8.0	13,1
Others	10.5	10.8	10.1	13.2	13.2	13.3
Dressed frozen	---	---	---	**51.6**	**70.3**	**98.6**
Frozen	**2,021.5**	**2,355.7**	**2,207.4**	**2,434.2**	**2,750.3**	**2,928.9**
Albacore, tuna	253.0	267.8	250.0	196.2	210.0	217.2
Cod, Alaska pollack	23.1	46.2	69.1	42.4	52.5	74.0
Halibut, flounders	60.3	50.1	63.7	88.5	126.0	177.7
Marckerels	176.4	299.9	242.1	386.9	441.2	436.7
Marlins	52.9	53.8	52.2	52.8	39.5	39.1
Sardines, anchovies	87.1	92.2	108.3	89.7	102.1	109.8
Saury	156.6	102.9	50.4	76.6	179.9	176.2
Skipjack	27.9	24.7	35.8	45.2	49.3	75.1
Squids, cuttlefishes, octopus	296.3	386.1	285.9	254.4	231.1	364.9
Whales	156.7	139.5	120.3	118.7	118.1	103.0
Minced fish meat	99.1	153.8	220.4	292.0	359.3	395.0
Others	632.1	738.7	708.6	790.8	841.3	760.2
Kneaded	**911.9**	**999.4**	**1,077.2**	**1,081.3**	**1,127.1**	**1,156.2**
"Chikuwa" 2)	171.7	194.0	204.3	221.5	238.5	244.6
Fish sausage	164.4	161.8	168.8	169.5	165.4	162.4
"Kamaboko" 3)	294.8	336.4	368.0	356.4	379.8	399.8
Others	280.9	307.2	336.1	333.9	343.4	349.4
Manure and feed	**511.7**	**639.5**	**740.1**	**802.0**	**843.4**	**924.1**
Fish meal	265.2	309.7	368.8	404.4	421.9	428.5
Dried press cake	140.6	171.7	209.4	250.7	252.9	295.9
Others	106.0	158.0	162.0	146.9	168.7	199.7
Oil and fat	**124.3**	**134.7**	**145.0**	**176.9**	**160.0**	**162.9**
Fish oil	24.1	37.8	50.8	86.5	72.3	88.3
Fish visceral oil	18.3	15.6	21.7	17.9	15.8	14.2
Whale oil	81.9	80.9	72.2	72.3	71.8	60.2
Others	0.0	0.4	0.3	0.2	0.2	0.2
Salted	**156.9**	**184.0**	**206.2**	**180.2**	**223.4**	**222.1**
Alaska pollack roe, cod roe	18.6	24.7	28.9	33.2	34.8	41.4
Cod, Alaska pollack	14.6	12.8	12.9	11.1	17.7	24.3
Herring roe, salmon roe	3.9	2.4	3.3	5.0	5.4	7.3
Mackerels	43.5	71.8	52.9	53.8	55.5	47.4
Salmons	24.4	30.4	30.1	42.0	53.8	60.0
Trouts	26.6	25.5	49.9	14.9	33.9	22.4
Others	25.3	16.4	28.2	20.2	22.3	19.3

PRODUCTS, 1967～1972

Unit ; Thousand metric tons.
Canned; Thousand cases.

Processed products	1967	1968	1969	1970	1971	1972
Salted and dried	**125.2**	**134.8**	**159.6**	**144.5**	**181.6**	**177.2**
Jack mackerel	34.9	37.5	43.3	39.2	38.9	38.2
Mackerels	13.3	21.1	24.7	25.9	29.8	26.3
Sardines, anchovies	26.8	26.8	42.6	22.6	50.8	48.5
Saury	13.8	10.1	4.3	4.6	3.8	7.6
Others	36.4	39.4	44.8	52.2	58.2	56.6
Smoked	**9.0**	**12.3**	**9.2**	**7.6**	**8.1**	**6.8**
Salmons, trouts	0.3	0.4	0.6	0.7	0.8	0.9
Squids, cuttlefishes	2.5	4.9	0.7	0.5	0.3	0.3
Whale meat	3.6	4.9	5.4	3.8	4.6	3.2
Others	2.5	2.1	2.6	2.6	2.4	2.5
Others	**233.2**	**230.2**	**246.5**	**251.3**	**240.8**	**259.5**
Canned 4) Standard cases 5)	**14,470**	**14,706**	**14,116**	**16,210**	**18,289**	**17,575**
Actual cases	(31,243)	(30,743)	(30,864)	(32,192)	(36,473)	(35,444)
Shellfishes	1,022	915	817	836	1,056	1,231
Crabs	369	362	314	319	136	159
Jack mackerel	462	233	14	0	13	2
Mackerel	4,999	7,663	6,473	8,358	10,010	9,905
Prawns, shrimps	29	48	6	9	9	10
Salmons, trouts	1,709	814	1,151	1,077	1,873	954
Sardines, anchovies	169	54	150	47	73	195
Saury	501	508	284	235	569	349
Squids, cuttlefishes	453	307	327	274	43	232
Tunas, skipjack	3,264	2,634	3,358	4,150	3,355	3,360
Whale	986	761	655	622	819	735
Others	502	407	567	283	333	443

Note : 1) Excluding dried seaweeds

2) Baked products of kneaded fish meat with seasonings.

3) Steamed products of kneaded fish meat with seasonings.

4) Surveyed by the Canners Association of Japan.

5) Converted to 450 g x 48 cans in net weight for one case.

13. VALUE OF IMPORTS AND EXPORTS

Imports

Year	Live animals	Fresh and frozen			Salted, dried and smoked	Raw agar-agar	Fish meals
		Shrimps	Skipjack, Tunas, Marlins	Others			
1962	---	2,221	10	2,414	826	590	1,812
1963	---	8,449	82	2,821	1,427	643	3,984
1964	1,027	11,317	232	6,575	2,638	502	4,919
1965	535	12,938	290	8,276	3,592	562	5,897
1966	931	21,631	1,366	10,090	5,143	1,923	6,657
1967	1,305	28,704	2,085	11,663	6,155	2,562	4,867
1968	1,752	28,108	3,846	10,935	7,690	816	7,278
1969	2,745	43,829	4,962	14,923	7,033	896	5,919
1970	5,851	49,329	9,070	18,698	12,478	772	6,689
1971	7,779	73,333	11,538	32,832	13,838	610	1,414
1972	12,418	89,918	10,422	36,754	22,878	775	3,266

Exports

Year	Frozen		Salted and dried	Canned		
	Skipjack, Tunas, Marlins	Others		Jack mackerel, mackerel	Salmons	Saury
1962	22,289	6,791	2,036	---	32,843	2,026
1963	18,638	7,507	2,039	3,696	16,322	3,059
1964	22,320	9,025	2,302	5,746	15,309	3,289
1965	21,273	10,707	2,202	4,951	21,945	1,202
1966	31,818	10,724	2,892	8,495	13,766	1,817
1967	18,031	11,820	2,880	10,180	16,680	688
1968	17,758	14,895	3,212	14,502	21,000	312
1969	12,619	18,342	4,354	15,294	13,713	112
1970	13,983	21,573	4,248	19,573	16,181	41
1971	13,794	25,487	4,230	23,140	18,796	29
1972	17,752	36,629	4,513	23,286	17,196	22

BY COMMODITY, 1962～1972

Unit ; Million yen.

Pearls	Oil and fat	Prepared	Dried seaweeds	Others	Total
457	114	218	428	1,601	**10,693**
419	64	388	432	2,678	**21,386**
621	64	373	1,889	2,109	**32,266**
905	69	1,281	0	3,067	**37,422**
1,248	400	2,240	3,474	5,229	**60,332**
794	297	2,184	3,924	4,427	**68,966**
1,448	424	1,532	5,953	2,352	**72,135**
1,496	558	1,808	6,441	3,232	**93,843**
1,474	229	3,561	3,099	3,378	**114,628**
1,315	356	5,721	1,337	3,272	**153,345**
1,550	351	7,384	768	3,854	**190,338**

Unit ; Million yen.

			Oil and fat				
Tunas	Crabs	Others	Whale Oil	Others	Pearls	Others	Total
11,912	3,891	5,934	5,423	978	15,063	3,479	**112,666**
12,674	3,948	4,338	9,111	472	17,024	2,926	**101,755**
13,536	4,635	3,717	7,970	466	19,828	3,843	**111,987**
12,859	4,531	3,647	7,296	234	23,118	5,030	**118,997**
17,121	3,876	4,687	4,406	250	23,291	7,193	**130,338**
18,544	3,716	4,894	2,942	356	19,813	6,866	**117,411**
19,776	5,446	4,410	1,027	343	16,849	6,685	**126,217**
23,683	5,534	4,977	1,497	328	17,510	6,919	**124,881**
28,862	2,929	5,590	2,597	1,307	14,725	9,110	**140,717**
23,016	3,966	5,288	4,681	2,431	12,599	9,205	**146,662**
27,091	1,724	6,191	1,555	1,893	14,189	10,138	**162,179**

14. VALUE OF IMPORTS AND EXPORTS

Imports

Year	Republic of Korea	Taiwan	P. R. China	Indonesia	India	Thailand	Spain
1962	2,678	60	1,158	31	10	34	5
1963	2,998	191	2,597	47	24	427	428
1964	5,729	345	5,778	94	324	1,098	1,004
1965	5,758	293	6,559	148	440	1,404	2,074
1966	10,050	723	11,501	337	659	2,703	2,562
1967	11,670	1,305	7,029	190	1,704	3,845	1,812
1968	11,549	2,530	5,663	690	2,384	4,195	1,111
1969	12,262	4,232	6,842	2,614	4,317	5,825	1,049
1970	14,203	9,151	10,815	3,791	5,317	5,651	2,519
1971	17,327	13,324	11,049	8,336	8,601	7,902	9,332
1972	24,623	17,322	15,261	14,992	12,358	10,295	8,763

Exports

Year	U. S. A.	United Kingdom	Republic of Germany	Puerto Rico	Canada	Philip-pines	Nether-land
1962	38,507	33,379	4,350	1,699	1,956	770	2,887
1963	31,662	17,618	4,839	2,900	1,695	2,941	5,836
1964	32,479	16,548	6,764	5,300	1,851	4,197	3,930
1965	32,140	22,660	9,770	4,890	2,207	3,348	4,166
1966	42,349	14,840	8,209	7,199	2,512	4,753	4,006
1967	33,094	17,550	7,068	4,060	2,456	7,064	4,482
1968	37,166	21,372	7,575	3,189	2,152	7,108	2,603
1969	37,390	13,323	8,215	2,326	2,721	5,752	3,145
1970	41,951	16,835	9,082	3,116	3,932	5,760	4,982
1971	40,107	15,763	6,917	5,896	4,833	6,549	6,985
1972	59,753	12,622	7,680	6,019	5,963	5,200	4,992

BY COUNTRY, 1962~1972

Unit : Million yen.

Australia	U.S.A.	Canada	Mexico	Hong Kong	Malaysia (Malaya 11 shires)	Pakistan	Others	Total
255	529	139	728	566	34	24	4,442	**10,693**
779	1,243	223	2,792	1,909	34	6	7,688	**21,386**
1,126	2,136	286	3,464	1,383	15	84	9,400	**32,266**
1,192	2,573	411	3,734	2,101	14	130	10,591	**37,422**
1,782	6,263	715	4,334	2,800	127	163	15,613	**60,332**
2,069	5,286	986	7,320	3,112	526	987	21,125	**68,966**
2,486	6,235	1,465	5,437	3,958	733	1,298	22,401	**72,135**
5,225	9,180	1,224	5,786	5,349	1,636	2,347	25,955	**93,843**
5,779	8,700	1,846	7,355	3,819	1,869	1,950	31,863	**114,628**
7,206	10,236	3,396	7,856	5,651	3,951	2,899	36,279	**153,345**
8,516	7,570	7,310	7,102	5,485	4,823	2,777	43,141	**190,338**

Unit : Million yen.

Australia	Switzer-land	Hong Kong	Italy	France	Taiwan	Spain	Others	Total
1,948	3,399	2,007	4,829	1,684	196	103	14,952	**112,666**
1,949	3,985	2,373	5,970	2,645	114	521	16,707	**101,755**
2,676	3,856	4,112	5,124	3,034	133	288	21,695	**111,987**
3,393	4,508	2,313	6,064	3,488	183	1,197	18,670	**118,997**
3,123	4,909	3,313	9,692	3,141	424	1,496	20,372	**130,338**
3,068	4,849	2,606	6,212	2,006	439	1,027	21,430	**117,411**
3,341	3,896	2,852	5,385	2,996	217	1,397	24,968	**126,217**
4,009	4,320	4,048	4,452	3,420	1,259	1,322	29,179	**124,881**
5,322	3,735	4,123	5,851	2,013	1,830	1,831	30,354	**140,717**
4,971	3,507	3,011	4,779	3,291	2,071	2,060	35,922	**146,662**
4,741	4,553	4,053	3,400	3,252	2,996	2,431	34,524	**162,179**

15. VALUE OF IMPORTS AND EXPORTS OF (by Country, and by Commodity)

A. Imports

Origin	Living animals	Fresh and frozen			Slated, dried and smoked
		Shrimps	Skipjack, Tunas, Marlins	Others	
Total	**12,418**	**89,918**	**10,422**	**36,754**	**22,878**
Republic of Korea	1,880	219	4,073	11,020	2,312
Taiwan	8,856	3,648	3,055	1,240	114
P.R.China	61	4,766	1	1,963	7,432
Indonesia	7	14,220	10	22	341
India	-	12,301	-	8	16
Thailand	81	7,465	130	1,840	39
Spain	0	32	18	8,586	-
Australia	0	5,920	6	843	1
U.S.A	191	35	296	878	5,587
Canada	1	-	65	1,146	6,090
Mexico	-	6,878	2	-	17
Hong Kong	242	4,726	1	286	82
Malaysia (Malaya 11 shires)	0	4,161	161	87	364
Pakistan	-	2,772	-	5	-
Others	1,099	22,775	2,604	8,830	483

B. Export

Destination	Frozen		Salted and dried	Canned		
	Skipjack, Tunas Marlins	Others		Jack mackerel, Mackerel	Salmons	Saury
Total	**17,752**	**36,629**	**4,513**	**23,286**	**17,196**	**22**
U.S.A.	10,272	17,698	682	2,137	1,752	10
United Kingdom	0	889	9	297	9,560	-
Republic of Germany	9	112	9	1,063	20	-
Puerto Rico	6,010	2	-	-	-	-
Canada	-	928	35	99	0	0
Philippines	-	-	1	5,118	-	-
Netherland	-	1,408	1	261	1,137	-
Australia	-	1,115	7	95	2,875	0
Switzerland	-	14	0	14	20	-
Hong Kong	36	14	2,422	88	1	-
Italy	390	2,258	1	105	16	-
France	-	363	2	55	782	-
Taiwan	-	13	446	0	-	-
Spain	19	211	-	3	4	-
Others						

FISHERY PRODUCTS, 1972

Unit : Million yen.

Raw agar-agar	Fish meals	Pearls	Oil and fat	Prepared	Dried seaweeds	Others	Total
775	**3,266**	**1,550**	**351**	**7,384**	**768**	**3,854**	**190,338**
-	-	-	5	3,106	768	1,240	24,623
6	0	-	7	347	-	49	17,322
-	-	6	-	963	-	69	15,261
12	-	72	-	42	-	266	14,992
-	-	24	-	3	-	6	12,358
-	38	21	-	674	-	7	10,295
-	-	5	62	1	-	59	8,763
-	-	1,085	-	616	-	45	8,516
-	-	3	1	337	-	242	7,570
-	-	-	-	1	-	7	7,310
1	-	-	-	78	-	126	7,102
1	2	2	-	125	-	18	5,485
-	-	-	-	49	-	1	4,823
-	-	-	-	-	-	-	2,777
755	3,226	332	276	1,042	-	1,719	43,141

Unit : Million yen.

			Oil and fat				
Tunas	Crabs	Others	Whale Oil	Others	Pearls	Others	Total
27,091	**1,724**	**6,191**	**1,555**	**1,893**	**14,189**	**10,138**	**162,179**
15,213	798	3,486	-	1,372	2,241	4,092	59,753
1,157	161	76	-	8	147	318	12,622
2,461	23	42	-	8	3,840	93	7,680
-	-	3	-	-	-	4	6,019
3,484	11	1,122	-	13	93	178	5,963
-	0	11	1	1	-	68	5,200
217	72	22	1,504	235	54	81	4,992
15	65	204	-	1	99	265	4,741
1,284	-	57	-	-	3,140	24	4,553
11	0	86	-	3	1,287	105	4,053
44	-	73	-	1	140	372	3,400
387	383	3	-	2	465	810	3,252
-	-	2	0	49	-	2,486	2,996
1	-	386	-	1	918	888	2,431

16. FOOD BALANCE SHEET ON FISHERY

Description	1967	1968	1969	1970	1971	1972
[FISH AND SHELLFISH] (live weight base)						
Domestic production						
For domestic consumption	6,588	7,353	7,385	7,886	8,374	8,565
Fresh and frozen	1,922	2,083	1,920	2,022	2,047	2,106
Dried, salted and smoked ..	1,298	1,417	1,489	1,400	1,522	1,595
Kneaded	1,733	1,877	1,935	2,320	2,338	2,395
Fish sausage	235	231	241	242	247	245
Canned	164	96	94	78	195	106
Feeds	1,236	1,649	1,706	1,824	2,025	2,118
For exports	729	811	783	908	949	1,067
Fresh and frozen	208	208	162	190	200	275
Canned	443	519	504	588	555	630
Others for food use	22	20	21	13	14	20
Feeds	56	64	96	117	180	140
Total	**7,317**	**8,164**	**8,168**	**8,794**	**9,323**	**9,632**
Imports						
For food use	191	212	236	294	448	528
For feeds	413	715	514	451	103	270
Total	**604**	**927**	**750**	**745**	**551**	**798**
Domestic supply						
For food use	5,543	5,916	5,915	6,356	6,797	6,975
Domestic production	5,352	5,704	5,679	6,062	6,349	6,447
Imports	191	212	236	294	448	528
For feeds	1,649	2,364	2,220	2,275	2,128	2,388
Domestic production	1,236	1,649	1,706	1,824	2,025	2,118
Imports	413	715	514	451	103	270
Total	**7,192**	**8,280**	**8,135**	**8,631**	**8,925**	**9,363**
[WHALE]						
Domestic production						
For domestic consumption	150	136	136	110	114	107
For exports	21	20	20	15	11	2
Total	**171**	**156**	**156**	**125**	**125**	**109**
Imports						
Total	**29**	**11**	**13**	**15**	**18**	**18**
Domestic supply						
For food use	150	136	136	110	114	---
For feeds	29	11	13	15	18	---
Total	**179**	**147**	**149**	**125**	**132**	**125**

PRODUCTS, 1967～1972

Unit ; Thousand metric tons.

Description	1967	1968	1969	1970	1971	1972
〔SEAWEED〕 (dried weight base)						
Domestic production						
For domestic consumption	105	97	86	99	112	108
For exports	2	3	3	5	5	4
**Total	**107**	**101**	**89**	**104**	**117**	**112**
Imports						
**Total	**18**	**14**	**15**	**15**	**18**	**19**
Domestic supply						
For food use	105	90	77	96	110	103
For feeds	16	22	24	18	20	24
**Total	**121**	**112**	**101**	**114**	**130**	**127**
Per capita food supply (Unit; Kgs)						
Fish and shellfishes	55.3	58.4	57.7	61.3	64.7	64.3
Whales	1.5	1.3	1.3	1.1	1.1	---
Seaweeds	1.0	0.9	0.8	0.9	1.0	0.9

17. AVERAGE CONSUMPTION IN QUANTITY OF FISHERY

A). Workers household (Cities With population of 50,000 or over)

Unit ; grams

Item	1967	1968	1969	1970	1971	1972
Net income	-	-	-	-	-	-
Food expense	---	---	---	---	---	---
Fishery products	---	---	---	---	---	---
Fresh and frozen	---	---	---	---	---	---
Cod, Alaska pollack	1,211	1,248	1,208	1,208	1,131	1,058
Flounders, halibuts	3,569	3,427	3,827	2,817	2,932	2,816
Jack mackerel	5,591	5,196	4,957	4,177	4,246	3,611
Mackerel	5,613	5,243	4,879	4,431	4,029	3,171
Salmons, trouts	1,999	1,452	1,257	1,625	1,765	1,668
Sardines, anchovies	1,344	1,436	1,425	1,268	1,806	1,626
Saury	1,730	1,336	604	1,044	937	1,543
Sea breams	1,841	1,657	1,393	1,425	1,249	1,053
Shellfishes	5,008	5,092	5,080	4,935	5,015	4,690
Skipjack	943	808	771	775	612	906
Squids, cuttlefishes	8,343	8,245	7,581	7,646	6,320	7,627
Tunas, marlins	3,038	3,265	3,204	3,199	3,178	3,194
Yellowtail	1,659	1,829	1,835	1,978	1,988	2,044
Others	---	---	---	---	---	---
Processed fishery products	---	---	---	---	---	---
Boiled and dried	977	946	931	897	793	761
Canned (case)	11.64	12.14	11.08	8.89	9.59	10.46
Cured	778	769	742	716	640	645
Dried laver	---	---	---	---	---	---
Dried "Kombu" and "Wakame" kelp	1,637	1,671	1,586	1,724	1,735	1,795
Dried squids	280	293	303	274	219	278
Fish sausage	3,131	2,949	2,892	2,469	2,205	1,607
Kneaded	---	---	---	---	---	---
Salted salmons and trouts	1,814	2,312	2,447	3,019	3,269	3,332
Others	---	---	---	---	---	---
Whale meat	2,199	2,051	1,794	1,557	1,385	1,329
Beef	6,844	6,438	7,012	7,551	7,996	8,259
Pork	14,435	13,938	13,309	14,754	15,765	16,403
Chicken	6,928	7,324	8,265	9,040	9,065	9,770
Ham, sausage	6,520	6,863	7,154	7,552	7,941	8,858
Milk, eggs	---	---	---	---	---	---
Seasonings	782	853	840	873	813	753
Expence for dining out	---	---	---	---	---	---
Number of family member	4.13	4.05	3.97	3.95	3.93	3.90

PRODUCTS PER HOUSEHOLD, 1967~1972

B). Farm household

Unit ; grams

Item	1967	1968	1969	1970	1971	1972
Net income	-	-	-	-	-	-
Food expense	---	---	---	---	---	---
Fishery products	---	---	---	---	---	---
Fresh and frozen	---	---	---	---	---	---
Cod, Alaska pollack	2,740	2,660	2,320	3,330	1,910	2,210
Flounders, halibuts	3,450	3,510	3,180	3,650	2,880	2,800
Jack mackerel	7,590	7,330	7,410	6,460	5,350	3,092
Mackerel	15,820	14,800	15,920	14,700	10,740	10,970
Salmons, trouts	---	---	---	---	---	---
Sardines, anchovies	2,160	2,480	2,580	2,510	3,270	3,010
Saury	3,910	2,690	1,450	2,090	1,770	2,960
Sea breams	1,040	990	1,150	1,270	1,030	930
Shellfishes	3,270	3,830	3,990	5,150	5,690	4,830
Skipjack	3,410	3,210	3,560	3,280	2,130	3,010
Squids, cuttlefishes	10,760	10,920	10,110	8,910	6,250	8,610
Tunas, marlins	2,650	2,680	3,300	3,860	2,860	2,750
Yellow tail	930	1,000	1,260	1,880	1,570	1,330
Others	---	---	---	---	---	---
Processed fishery products	---	---	---	---	---	---
Boiled and dried	3,420	3,240	3,100	3,450	3,000	2,890
Canned	5,570	5,540	5,010	4,890	4,490	3,720
Cured	300	260	260	310	320	270
Dried laver	---	---	---	---	---	---
Dried "Kombu" and "Wakame" kelp	1,780	2,350	2,630	2,370	1,940	2,050
Dried squids	530	520	540	500	420	490
Fish sausage	6,010	5,970	5,740	5,390	4,660	4,370
Kneaded	9,610	10,290	12,530	13,220	13,130	13,140
Salted salmons and trouts	2,670	2,590	2,700	3,590	3,790	3,670
Others	---	---	---	---	---	---
Whale meat	2,870	2,750	2,650	2,170	1,760	1,840
Beef	2,060	2,260	2,780	3,160	3,640	3,670
Pork	6,950	6,550	7,490	9,660	9,990	10,460
Chicken	4,930	5,740	7,080	7,960	9,010	8,640
Ham, sausage	2,360	2,560	3,020	3,500	3,970	3,870
Milk, eggs	---	---	---	---	---	
Seasonings	780	970	1,030	1,040	1,110	1,240
Expense for dining out	---	---	---	---	---	---
Number of family member	4.97	5.01	4.92	4.84	4.74	4.66

18. AVERAGE CONSUMPTION IN VALUE OF FISHERY

A). Workers household (Cities With population of 50,000 or over)

Unit ; yen

Item	1967	1968	1969	1970	1971	1972
Net income	991,800	1,081,584	1,206,396	1,384,548	1,526,820	1,680,744
Food expense	282,835	300,451	323,899	361,499	387,646	415,798
Fishery products	39,521	42,949	45,863	53,207	58,777	63,238
Fresh and frozen	20,062	21,270	22,940	27,485	30,916	33,096
Cod, Alaska pollack	275	306	328	375	381	386
Flounders, halibuts	929	969	1,096	1,281	1,464	1,527
Jack mackerel	1,111	1,186	1,309	1,439	1,617	1,667
Mackerel	928	918	870	915	911	747
Salmons, trouts	1,182	853	779	1,047	1,153	1,137
Sardines, anchovies	244	301	345	379	582	544
Saury	383	391	266	555	472	698
Sea beams	904	933	933	1,079	1,105	1,029
Shellfishes	1,003	1,192	1,355	1,528	1,749	1,969
Skipjack	394	392	438	525	526	737
Squids, cuttlefishes	1,811	1,937	2,028	2,530	2,982	3,461
Tunas, marlins	2,161	2,543	2,750	3,158	3,633	3,929
Yellowtail	1,031	1,216	1,395	1,754	2,008	2,213
Others	7,706	8,133	9,048	10,920	12,333	13,052
Processed fishery products	18,759	20,989	22,211	24,936	27,068	29,308
Boiled and dried	405	417	417	481	503	488
Canned	1,027	1,014	1,084	1,021	1,178	1,348
Cured	531	583	611	681	726	807
Dried laner	2,436	2,636	2,784	3,325	3,315	3,560
Dried "Kombu" and "Wakame" kelp	961	1,012	1,051	1,300	1,455	1,546
Dried squids	187	195	220	260	264	350
Fish sausage	836	788	785	679	620	451
Kneaded	2,300	2,574	2,765	3,033	3,307	3,418
Salted salmons and trouts	1,202	1,707	2,025	2,525	2,819	3,028
Others	8,874	10,063	10,469	11,631	12,881	14,312
Whale meat	700	690	712	786	793	834
Beef	7,053	7,289	8,274	9,275	10,505	11,819
Pork	9,423	10,355	11,196	12,203	13,453	15,021
Chicken	4,255	4,664	5,341	5,909	6,215	6,775
Ham, sausage	4,075	4,416	4,801	5,531	6,100	7,038
Milk, eggs	23,157	24,242	25,589	26,413	26,548	27,366
Seasonings	1,255	1,350	1,303	1,323	1,224	1,092
Expence for dining out	25,054	28,895	34,084	39,115	42,978	48,984
Number of family member	4.13	4.05	3.97	3.95	3.93	3.90

PRODUCTS PER HOUSEHOLD, 1967~1972

B) . Farm household

Unit ; yen

Item	1967	1968	1969	1970	1971	1972
Net income	1,029,700	1,125,700	1,250,000	1,393,200	1,537,700	1,852,900
Food expense	282,600	302,000	326,600	353,500	377,700	407,100
Fishery products	34,210	37,996	41,727	47,211	51,231	58,521
Fresh and frozen	16,840	19,324	20,779	23,289	25,100	29,220
Cod, Alaska pollack	428	446	429	599	479	902
Flounders, halibuts	721	794	837	1,154	1,008	1,172
Jack mackerel	1,123	1,274	1,347	1,478	1,386	1,232
Mackerel	2,152	2,163	2,204	2,395	1,965	1,954
Salmons, trouts	---	---	---	---	---	---
Sardines, anchovies	313	417	469	557	680	782
Saury	580	489	347	576	479	902
Sea beams	462	466	592	742	857	701
Shellfishes	324	375	487	629	894	833
Skipjack	799	821	1,041	1,082	882	1,443
Squids, cuttlefishes	1,726	1,879	2,061	2,397	2,192	3,186
Tunas, marlins	1,605	1,865	2,469	2,878	2,847	3,487
Yellowtail	479	554	776	1,289	1,234	1,232
Others	6,128	7,781	7,720	7,513	10,197	11,394
Processed fishery products	16,627	17,919	20,206	23,127	25,280	28,442
Boiled and dried	1,088	1,102	1,223	1,458	1,505	1,538
Canned	1,145	1,210	1,102	1,080	1,047	1,070
Cured	239	252	323	345	406	437
Dried lanver	1,424	1,556	1,953	2,322	2,642	2,947
Dried "Kombu" and "Wakame" kelp	606	594	683	1,507	1,571	1,784
Dried squids	286	312	344	379	523	739
Fish sausage	1,504	1,501	1,526	1,509	1,309	1,286
Kneaded	2,017	2,293	2,733	3,224	3,512	3,626
Salted salmons and trouts	1,340	1,455	1,637	2,239	2,656	2,819
Others	6,978	7,896	8,682	9,064	10,109	12,196
Whale meat	743	753	742	795	851	859
Beef	1,952	2,297	2,842	3,467	4,191	5,166
Pork	4,021	4,362	5,142	6,260	7,056	8,558
Chicken	1,959	2,452	3,137	3,675	4,226	4,663
Ham, sausage	1,242	1,504	1,784	2,221	2,635	2,946
Milk, eggs	17,773	18,890	22,960	24,038	26,094	28,201
Seasonings	1,033	1,274	1,308	1,430	1,482	1,652
Expence for dining out	12,897	14,773	16,873	19,515	20,763	24,633
Number of family member	4.97	5.01	4.92	4.84	4.74	4.66

Reference Table 1. CATCH BY COUNTRY OF THE WORLD, 1967~1972

Unit : thousand tons

Country Names	1967	1968	1969	1970	1971	1972
Total	**60,400**	**63,900**	**62,700**	**69,500**	**69,700**	**65,600**
Japan (incl. Okinawa) ...	7,895	8,694	8,639	9,366	9,945	10,248
U.S.S.R.	5,777	6,082	6,498	7,252	7,337	7,757
China (incl. Taiwan)	5,645	5,932	6,096	6,868	7,530	7,574
Peru	10,199	10,556	9,244	12,613	10,606	4,768
Norway	3,266	2,856	2,491	2,980	3,075	3,163
U.S.A.	2,430	2,479	2,491	2,777	2,793	2,650
Thailand	847	1,089	1,270	1,448	1,587	1,679
India	1,400	1,526	1,607	1,756	1,852	1,637
Spain	1,460	1,533	1,522	1,539	1,505	1,617
Chile	1,053	1,393	1,095	1,181	1,487	1,487
Denmark	1,070	1,467	1,275	1,227	1,401	1,443
Republic of Korea	749	841	879	934	1,074	1,339
Indonesia.....	1,180	1,159	1,214	1,229	1,245	1,268
Canada	1,296	1,499	1,405	1,389	1,290	1,269
Philippines.....	769	945	978	992	1,050	1,149
South Africa	1,583	2,045	1,850	1,562	1,165	1,123
United Kingdom	1,026	1,040	1,083	1,099	1,107	1,082
D.P.R. Korea	800	800	800	800	800	800
France	820	803	771	764	742	783
Iceland	898	601	690	734	685	727
Others	10,257	10,560	10,802	10,990	11,424	12,037

Reference Table 2.CATCH BY SPECIES OF THE WORLD, 1967~1972

Unit : thousand tons

Species	1967	1968	1969	1970	1971	1972
Grand Total	**60,400**	**63,900**	**62,700**	**69,500**	**69,700**	**65,600**
Fishes	**54,910**	**57,930**	**57,020**	**63,600**	**63,720**	**59,380**
Carps, etc.	316	315	323	347	351	437
Tilapias, etc.	57	62	114	156	157	194
Miscellaneous fresh water fishes	6,795	6,984	7,168	7,562	8,063	7,946
Sturgeons, etc.	20	21	21	21	22	24
River eels	45	51	51	44	44	37
Salmons, etc.	1,077	1,181	1,401	2,095	2,164	2,451
shads, etc.	644	654	673	835	810	750
Miscellaneous diadromous fishes	3	3	42	60	67	104
Flounders, etc.	1,208	1,156	1,283	1,298	1,375	1,288
Cod, etc.	8,350	9,617	9,941	10,535	10,681	11,472
Redfishes, etc.	3,288	3,330	3,173	3,753	3,815	3,774
Jacks, etc.	2,103	2,009	1,995	2,373	2,936	2,870
Herrings, etc.	19,664	20,463	18,113	21,374	19,431	13,538
Tunas, etc.	1,556	1,579	1,640	1,616	1,629	1,594
Mackerels, etc.	2,537	2,873	3,017	3,141	3,247	3,131
Sharks, etc.	444	476	502	480	482	466
Miscellaneous marine fishes	6,801	7,154	7,558	7,924	8,449	9,300
Crustaceans	**1,380**	**1,480**	**1,510**	**1,630**	**1,680**	**1,670**
Freshwater crustaceans ..	19	53	56	44	46	45
Crabs, etc.	352	377	349	392	371	358
Shrimps, lobsters, etc. ..	937	983	1,017	1,110	1,178	1,194
Krill, etc.	...	...	...	...	...	...
Miscellaneous marine crustaceans	68	66	84	80	83	69
Molluscs	**3,160**	**3,490**	**3,250**	**3,310**	**3,210**	**3,520**
Freshwater molluscs	48	49	56	60	41	48
Clams, shellfishes, etc. ..	1,889	1,984	1,919	1,894	1,905	2,038
Squids, etc.	972	1,211	974	939	894	1,086
Miscellaneous marine moluscs	249	242	298	414	372	349
Other aquatic animals	**150**	**130**	**100**	**130**	**120**	**130**
Aquatic plants	**820**	**840**	**760**	**870**	**920**	**890**

Appendix 1.

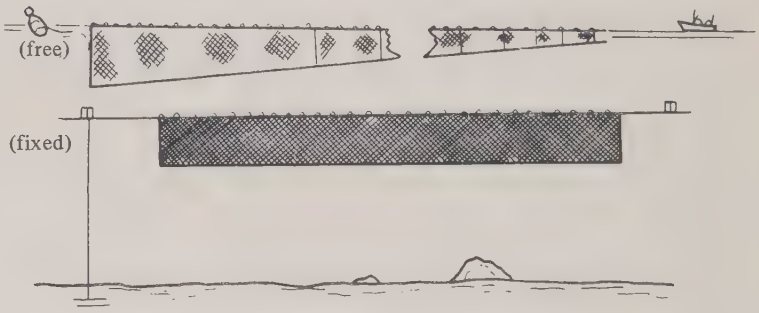
CLASSIFICATION OF SEA FISHERY TYPE

Classification	Classification shown in this bulletin	Classification published by Ministry of Agriculture and Forestry
A. Gill nets	King crab gill net	mother ship type king crab gill net
	Salmon drift gill net	mother ship type salmon drift gill net (Distant waters)
	Gill nets	Salmon drift gill net of one boat operation. (Coastal)
		Sardine drift gill net. Herring gill net and other.

salmon drift gill net

① on bottom

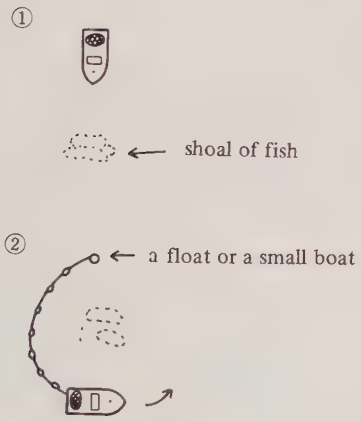
② in surface



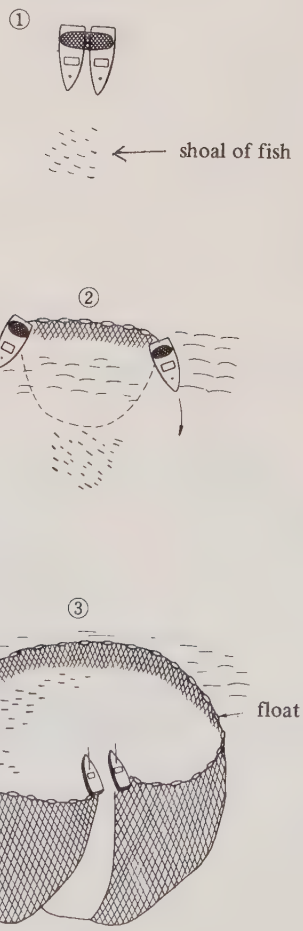
③ in middle

B. Purse seines	Purse seines	Purse seine of one-boat and two-boats operation. Semi-surrounding net. Other surrounding nets.

(1) One-boat operation

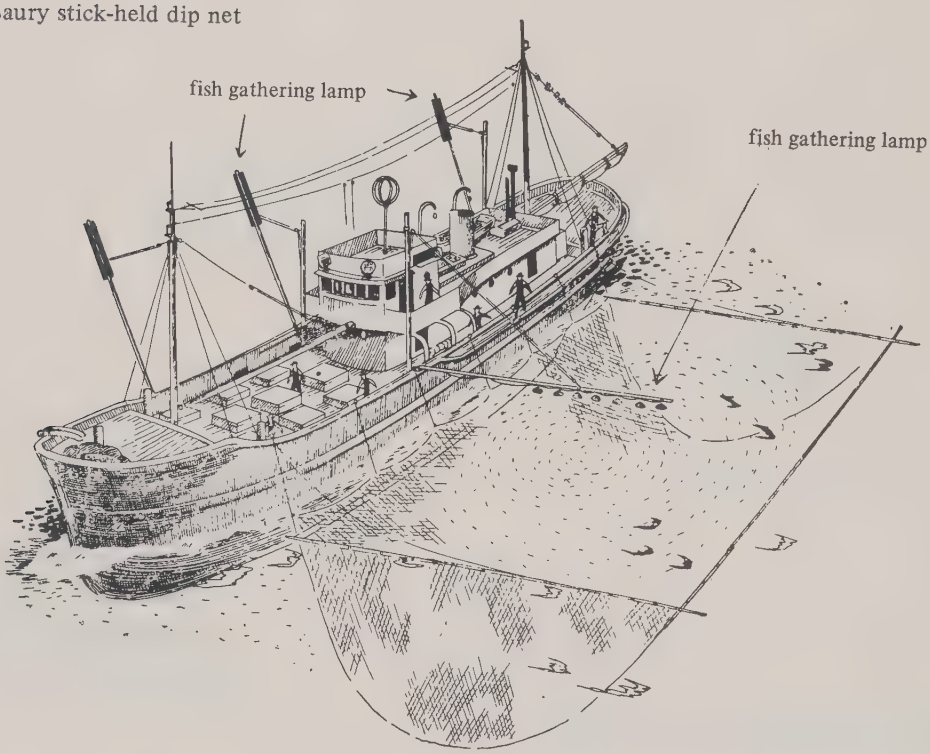


(2) Two-boats operation

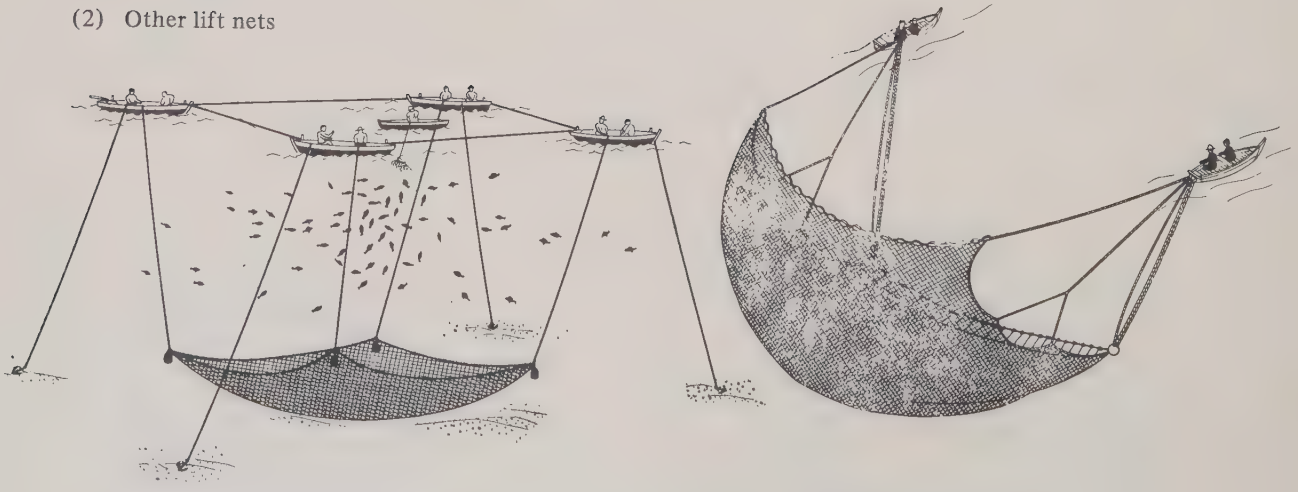


C. Lift nets	Saury stick-held dip net Other lift nets	Saury stick-held dip net Atka mackerel square lift net Other lift nets

(1) Saury stick-held dip net

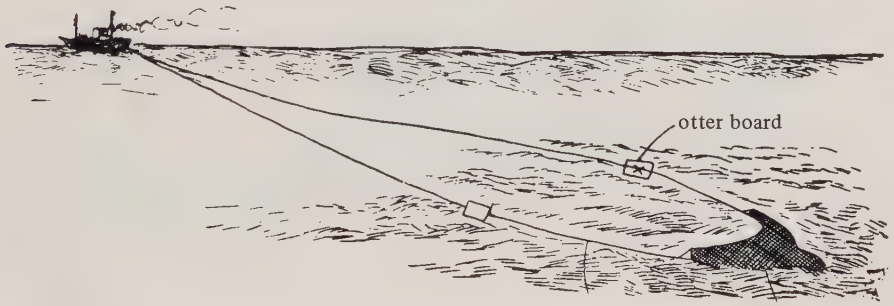


(2) Other lift nets



D. Trawls	Large trawls	mother ship type trawl (Bering sea) mother ship type trawl (Okhotsk sea) Otter trawl on Distant waters Otter trawl in Bering sea Otter trawl in southern water Otter trawl, west of 130°E in East China Sea
	Medium trawls	Large trawl, west of 130°E in East China Sea Medium trawl of one-boat and two boats operation.
	Small trawls	Small trawls

(1) Large trawls (otter trawl)

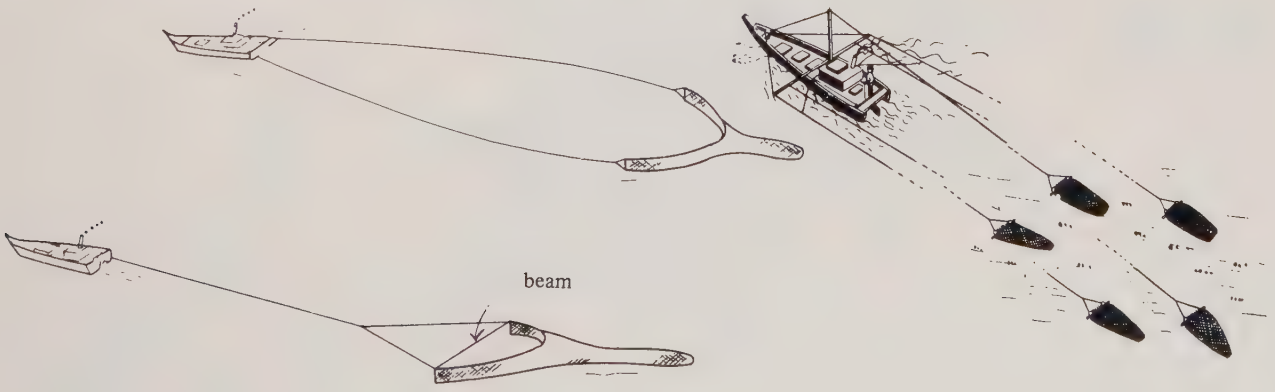


(2) Medium trawls

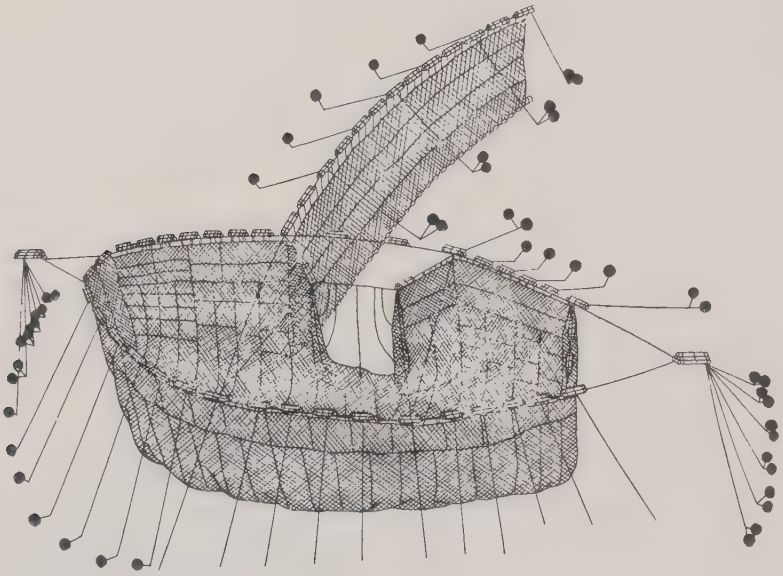
① one-boat operation

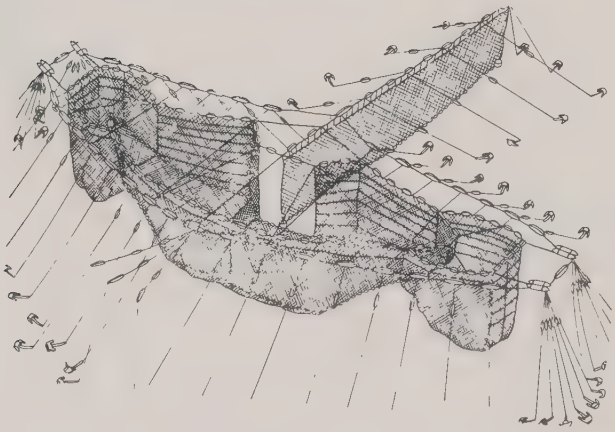
② two-boats operation

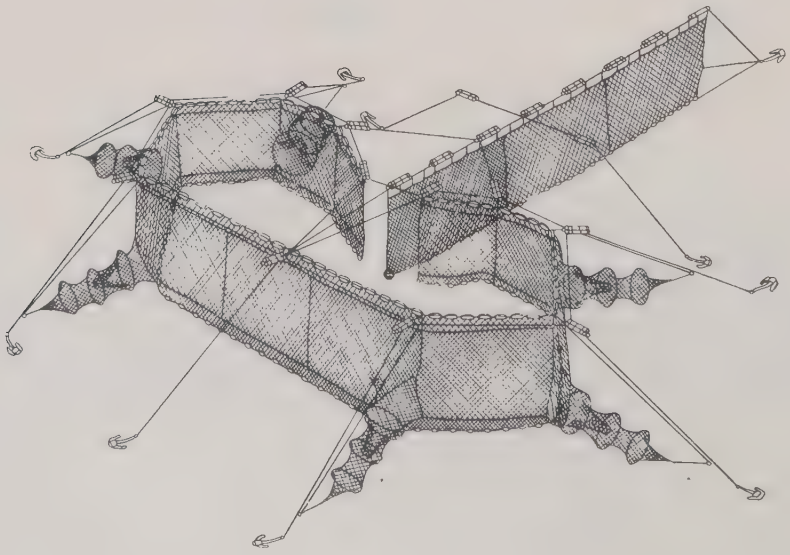
(3) small trawls



E. Set nets	Set nets	Large set nets Small set nets

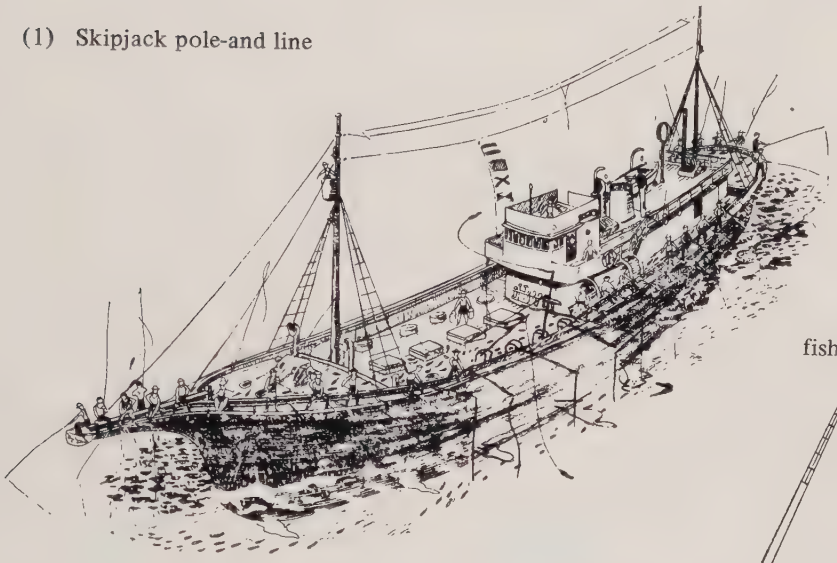




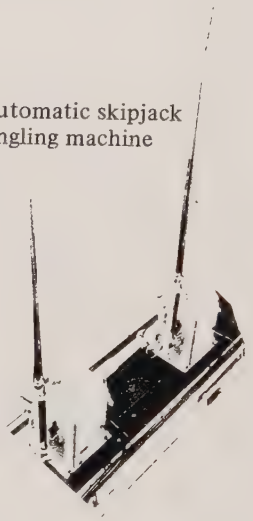


F. Anglings	Skipjack pole-and-line Squid angling Other anglings	Skipjack pole-and-line (Distant waters and Coastal) Squid angling Mackerel pole-and-line, other kind of mackerel anglings and other anglings.

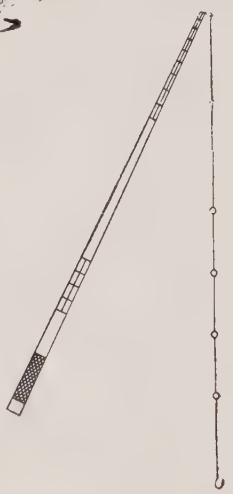
(1) Skipjack pole-and line



automatic skipjack angling machine

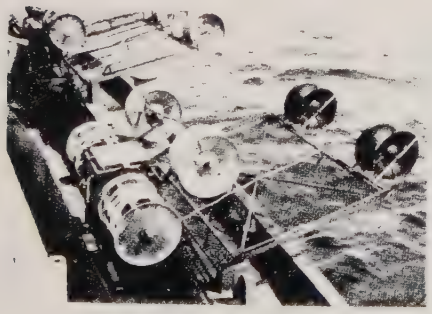


fishing rod

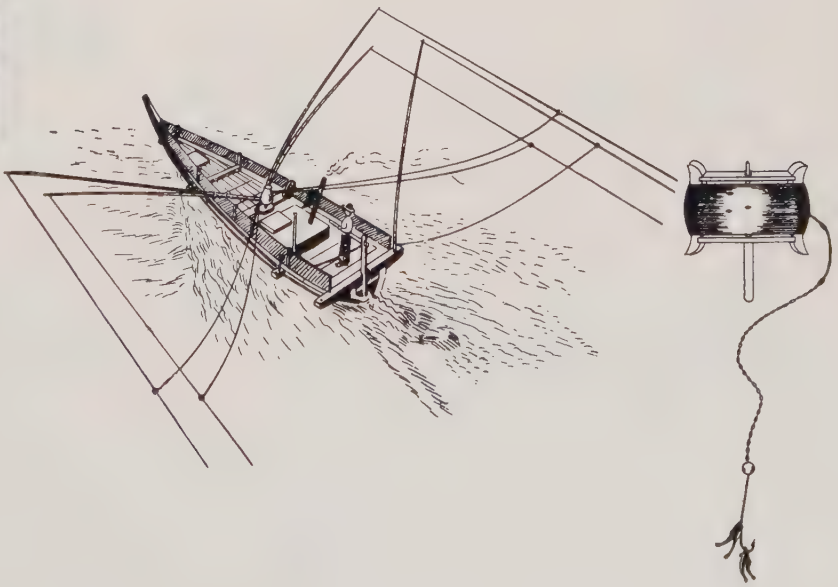


(2) Squid angling

Automatic squid angling machine



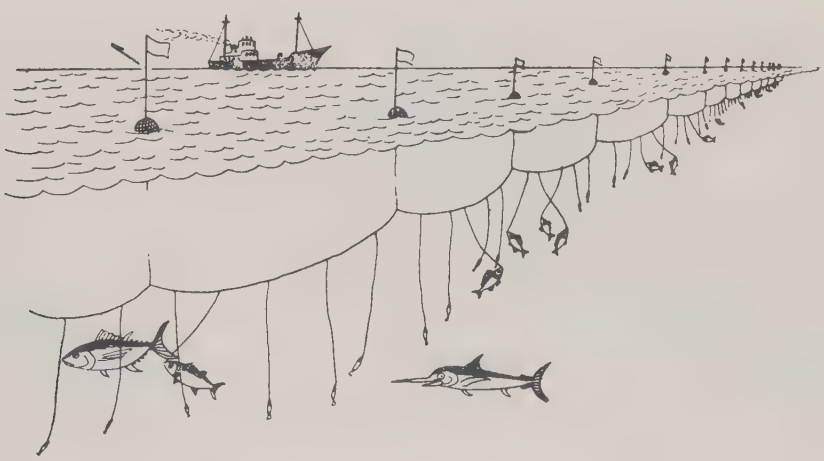
(3) Other anglings (trolling)



artificial bait

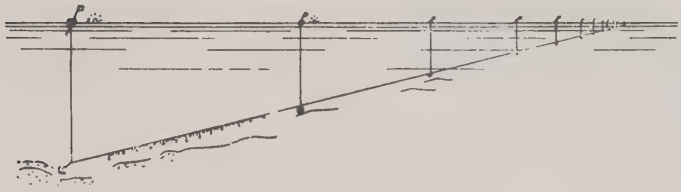
G. Long lines	Tuna long line	Mother ship type tuna long line Tuna long line operated on Atlantic Ocean. Tuna long line based at foreign ports. Tuna long line based at domestic ports.
	Other long lines	Alaska pollack long line, Salmon long line and other.

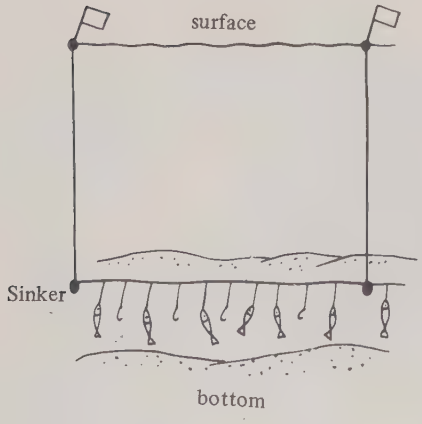
(1) Tuna long line

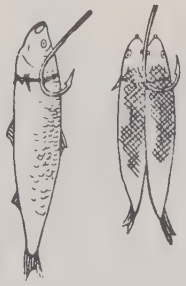


(2) Other long lines

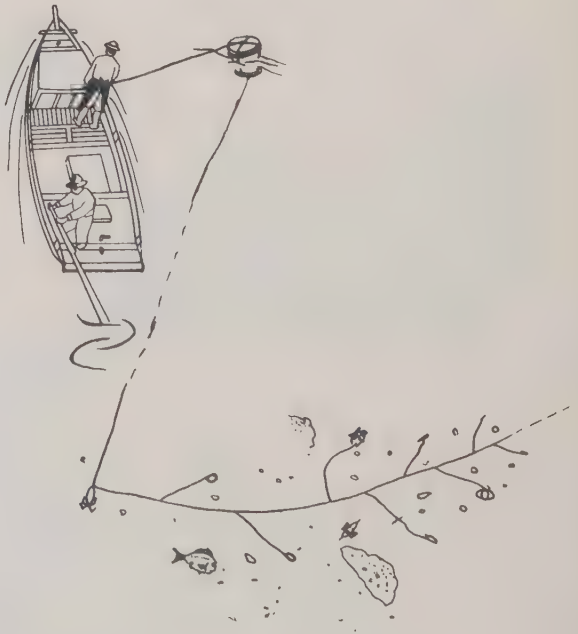
① Alaska pollack long line





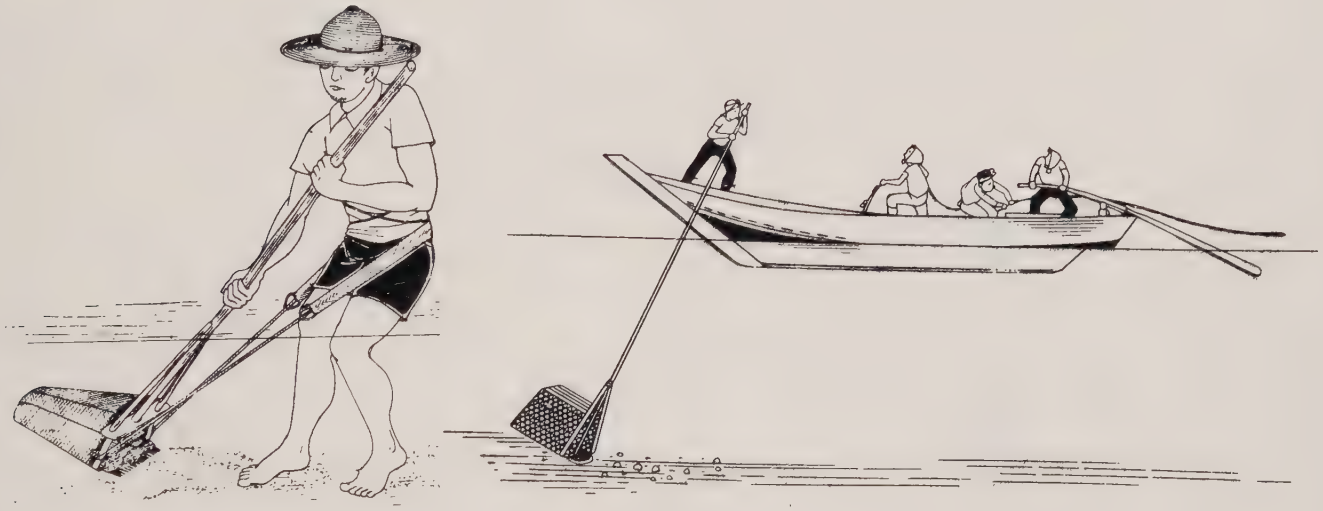


② Sea beam long line



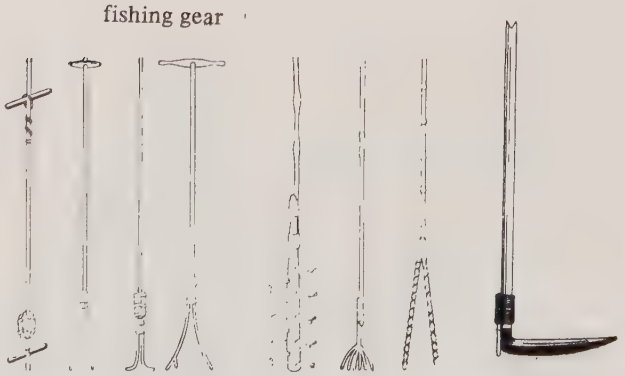
H. Collectings	Shellfish collectings Seaweed collectings	Shellfish collectings. Seaweed collectings.

(1) Shellfish collectings



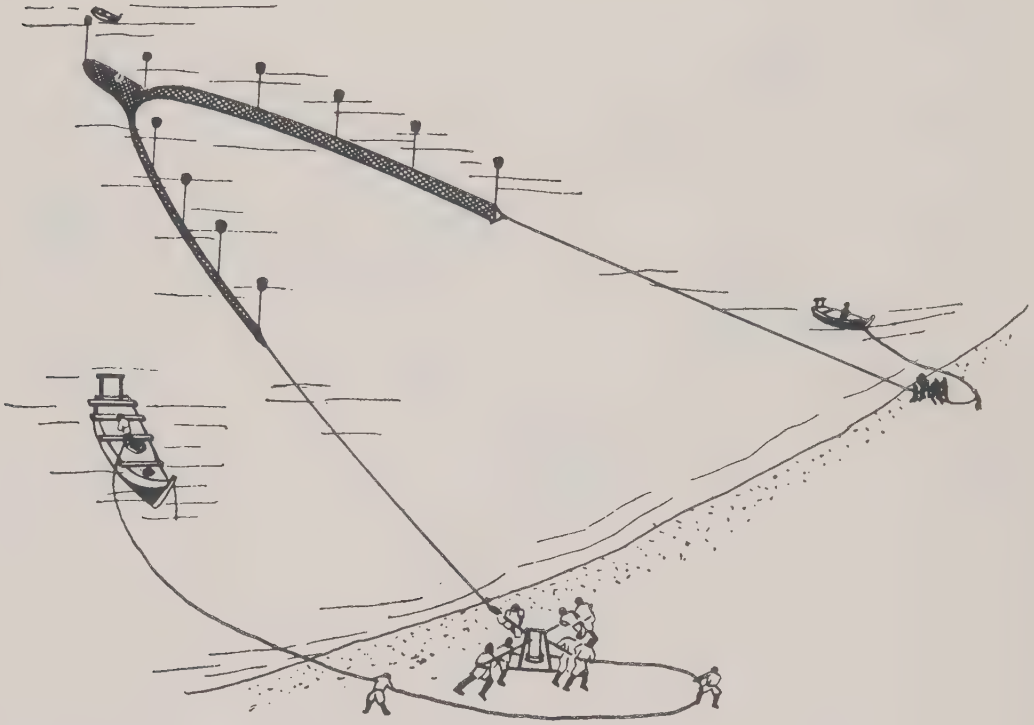
(2) Seaweed collectings

fishing gear

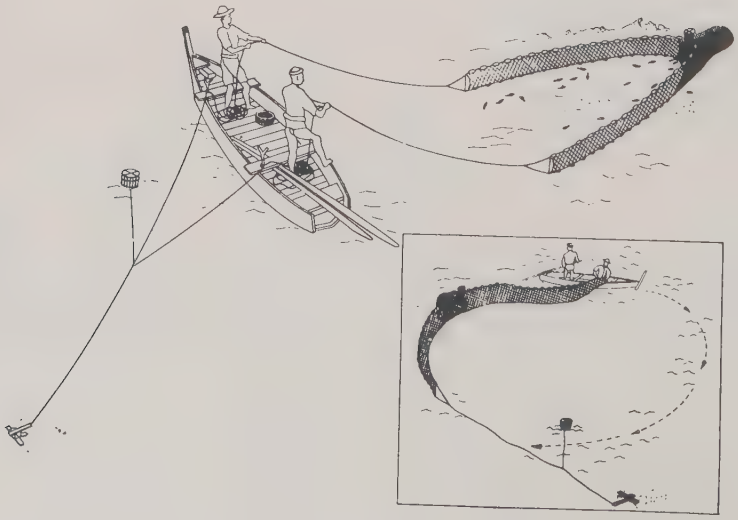


I. Other fisheries	Others	Beach seine, "Patchi" and other haul seine. Dart, other fisheries.

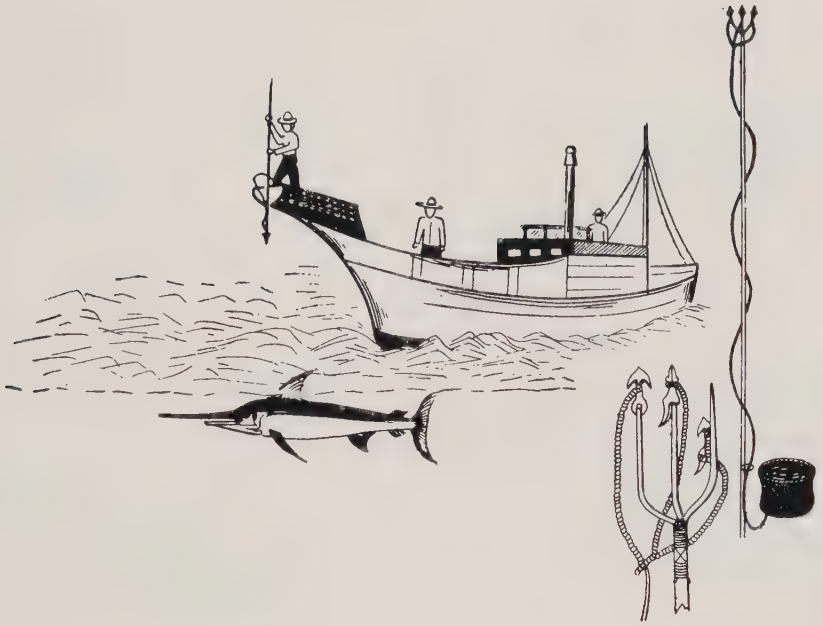
(1) Beach seine



(2) Other haul seine ("Patchi" is a kind of haul seine.)

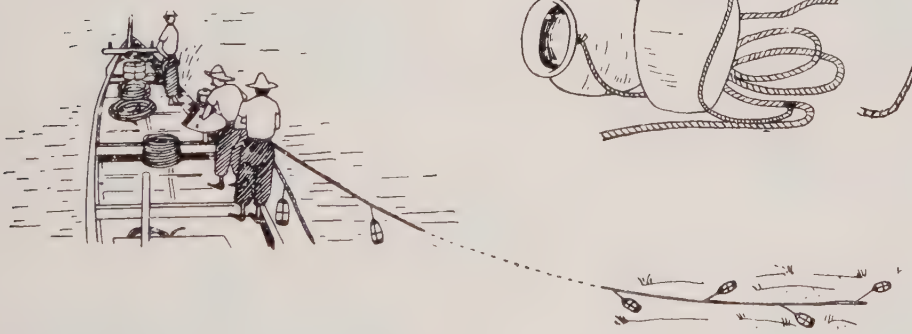


(3) Dart

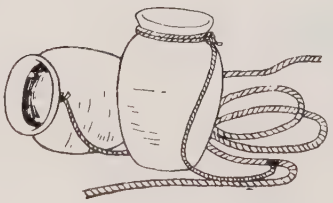


(4) Other fisheries (pot, diving, etc)

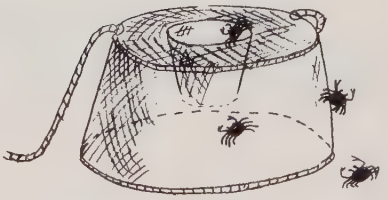
pot



(octopus pot)



(crabs pot)



"Shiba zuke" it method is man hand and net catch fish from the submerged fish shelters made of brushes.

Diving

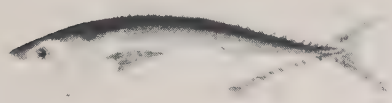
Appendix 2.

IIIUSTRATION OF IMPORTANT FISHES IN JAPAN

I Sea Fisheries

A. Fishes

Bluefin tuna (English name)
Maguro (Japanese name)
Thunnus thynnus orientalis (Scientific name)

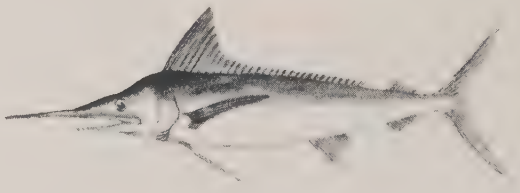


Albacore
Binnaga
Thunnus alalunga

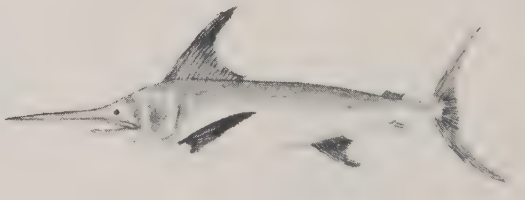
Bigeye tuna
Mebachi
Thunnus obesus

Yellowfin tuna
Kiwada
Thunnus albacares

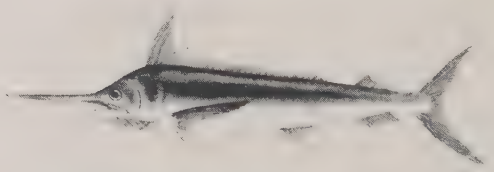
Striped marlin
Makajiki
Tetrapturus audax



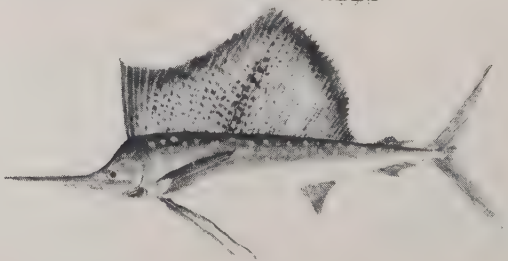
Broadbill swordfish
Mekajiki
Xiphias gladius



Blue marlin
Kurokajiki
Makaira nigricans

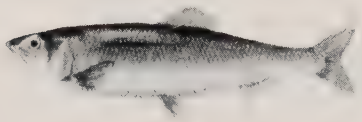


Sailfish
Bashokajiki
Istiophorus orientalis



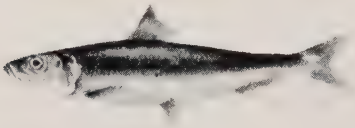
Skipjack
Katsuo
Katsuwonus pelamis

Herring
Nishin
Clupea pallasi



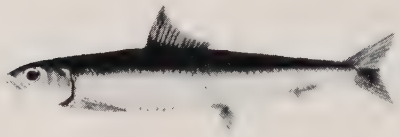
Frigate mackerel
Hirasoda
Auxis thazard

Sardine
Maiwashi
Sardinops melanosticta



Great blue shark
Yoshikirizame
Glyphis glaucus

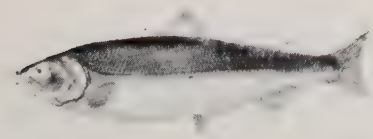
Round herring
Urumeiwashi
Etrumeus micropus



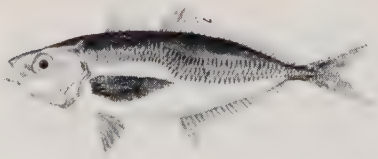
Chum salmon
Sake (Shirozake)
Oncorhynchus keta

Anchovy
Katakuchiiwashi
Engraulis japonica

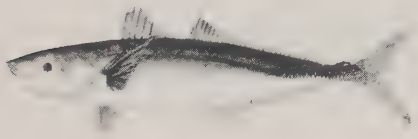
Cherry salmon
Sakuramasu
Oncorhynchus masou var. masou



Jack mackerel
Maaji
Trachurus japonicus



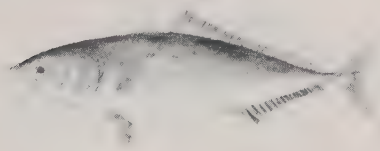
Scad
Muroaji
Decapterus Muroadsi



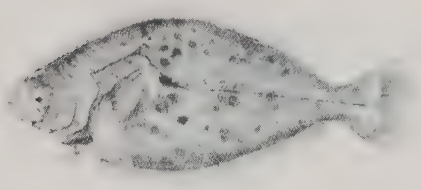
Mackerel
Masaba
Scomber japonicus

Saury (Saury-pike)
Sanma
Cololabis saira

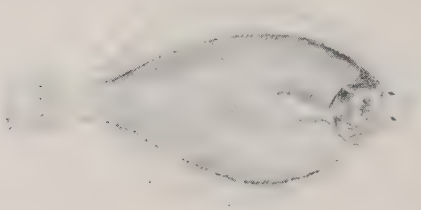
Yellowtail
Buri
Seriola quinqueradiata



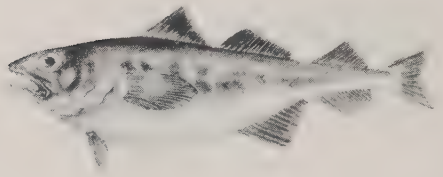
Bastard halibut
Hirame
Paralichthys olivaceus



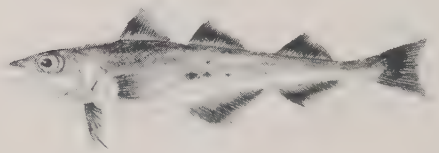
Dab (Flat fish)
Magarei
Limanda herzensteini



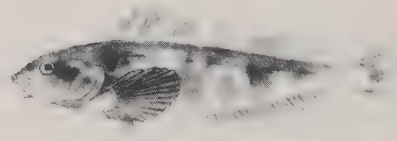
Cod
Madara
Gadus macrocephalus



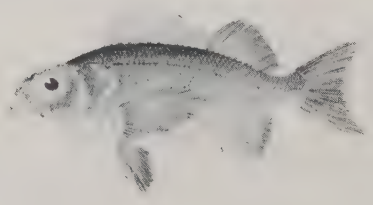
Alaska pollack
Suketodara
Theragra chalcogramma



Atka mackerel
Hokke
Pleurogrammus azonus

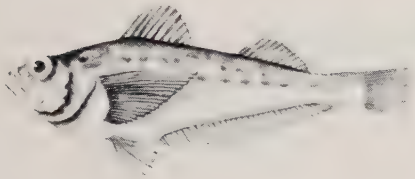


(Rock fish)
Sangomenuke
Sebastes flammeus



(Rock fish)
Kichiji
Sebastolobus macrochir

Sand fish
Hatahata
Arctoscopus japonicus



Deep sea smelt
Nigisu
Algentina semifasciata

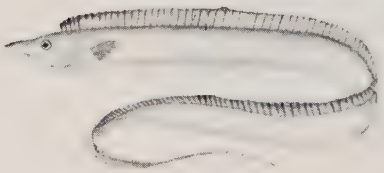
Yellow croaker
Kiguchi
Pseudosciaena manchurica

Lizard fish
Maeso
Saurida argyrophanes

Butter fish
Ibodai
Psenopsis anomala

Sharp toothed eel
Hamo
Muraenesox cinereus

Hairtail
Tachiuo
Trichiurus lepturus



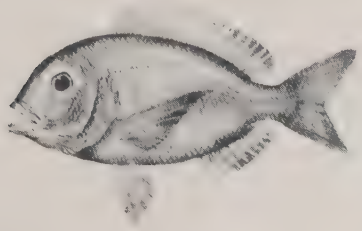
(Gurnard)
Hobo
Chelidonichthys kumu

Stingray
Akaei
Dasyatis akajei

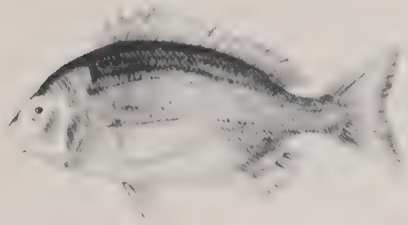
Red sea bream
Madai
Chrysophrys major

Crimson sea bream
Chidai
Evynnis japonica

Yellow sea bream
Kidai
Taius tumifrons



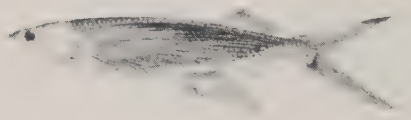
Black sea bream
Kurodai
Mylio macrocephalus



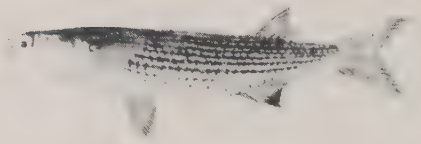
Spanish mackerel
Sawara
Scomberomorus niphonius

Dolphin fish
Shiira
Coryphaena hippurus

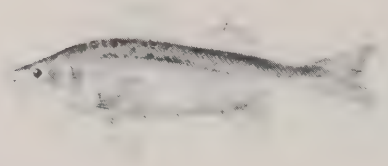
Flyingfish
Tobiuo
Prognichthys agoo



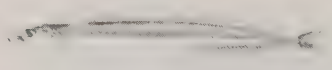
Mullet
Bora
Mugil cephalus



Common sea bass
Suzuki
Lateolabrax japonicus



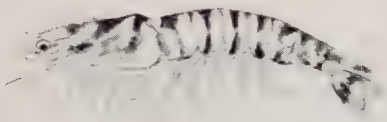
Sand lance
Ikanago
Ammodytes personatus



B. Crustacea

Spiny lobster
Iseebi
Panulirus japonicus

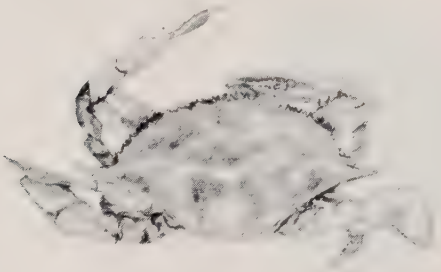
(Prawn)
Kurumaebi
Penaeus japonicus



King crab
Tarabagani
Paralithodes camtschaticus

Queen crab, Tanner crab
Zuwaigani
Chionoecetes opilio

Blue crab
Gazami
Neptunus trituberculatus



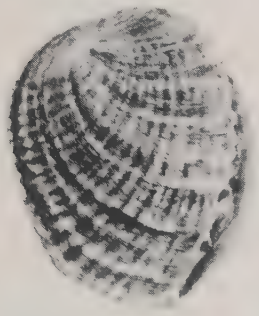
C. Mollusca

Common squid
Surumeika
Ommastrephes sloani pacificus

Cuttlefish
Maika
Sepiella maindronide

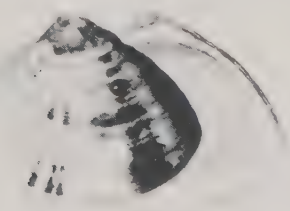
Octopus (Devilfish)
Madako
Octopus vulgaris

Abalone
Awabi
Haliotis gigantea

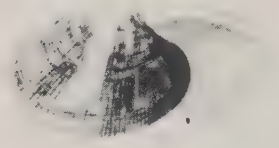


Top shell
Sazae
Turbo cornutus

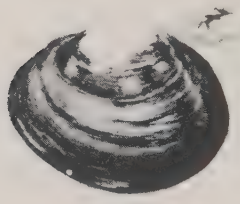
Hard clam
Hamaguri
Meretrix lusoria



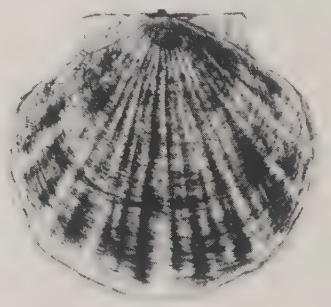
Short necked clam
Asari
Venerupis Philippinarum



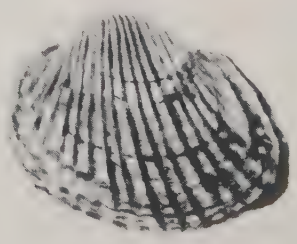
Hen clam
Hokkigai
Mactra sachalinensis



Common scallop
Hotategai
Pecton yessoensis

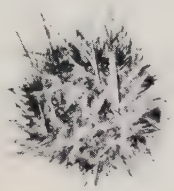


"Mogai" clam
Sarubo
Anadara subcrenata

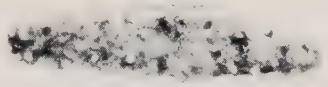


D. Echinodermata

(Sea urchin)
Murasakiuni
Heliocidaris crassispind



(Sea cucumber)
Manamako
Stichopus japonicus



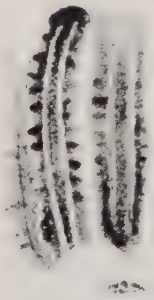
E. Marine mammals

(Dorphin)
Sujiiruka
Delphinus delphis de 1 phis

Sea lion
Ashika
Zalophus lobatus

F. Sea weeds

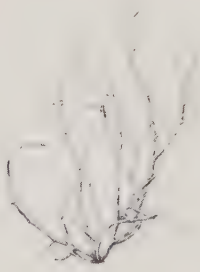
(Kelp)
Makonbu
Laminaria japonica



Agar-agar
Tengusa (Makusa)
Gelidium Amansii

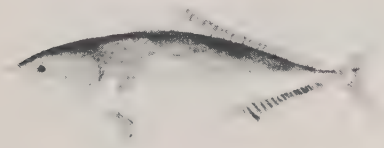
(Seaweed)
Wakame
Undaria pinnatifida

(Seaweed)
Honfunori
Gloiopeltis tenax



II Sea Cultures

Yellowtail
Buri
Seriola quinqueradiata

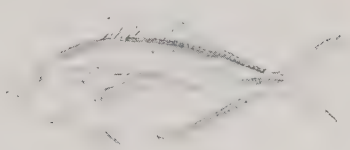


(Globe fish)
Torafugu
Fugu rubripes

Red sea bream
Madai
Chrysophrys major

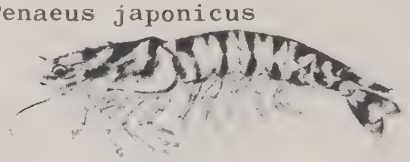
File fish
Kawahagi
Stephanolepis cirrhifer

Yellow jack
Shimaaji
Caranx delicatissimus

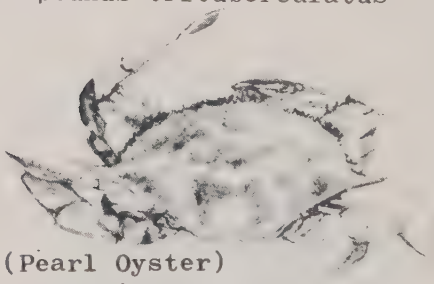


Octopus (Devilfish)
Madako
Octopus vulgaris

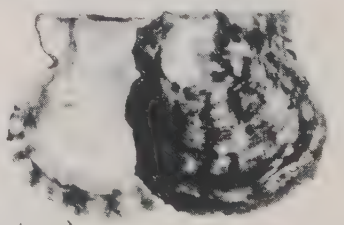
(Prawn)
Kurumaebi
Penaeus japonicus



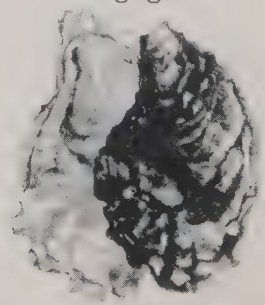
Blue crab
Gazami
Neptunus trituberculatus



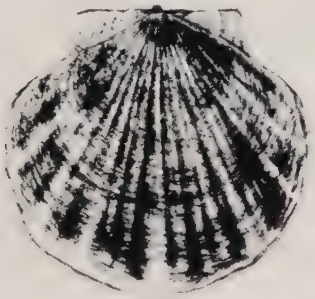
(Pearl Oyster)
Akoyagai
Pinctada martensii



(Oyster)
Magaki
Crassostrea gigas



Common scallop
Hotategai
Pecton yessoensis



(Seaweed)
Wakame
Undaria pinnatifida

Laver (Seaweed"Nori")
Asakusanori
Porphyra tenera

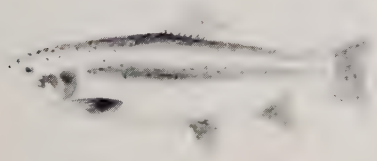
(Kelp)
Makonbu
Laminaria japonica

III Inland Water Fisheries

Chum salmon
Sake (Shirozake)
Oncorhynchus keta

Pond-smelt
Wakasagi
Hypomesus olidus

Rainbow trout
Nijimasu
Salmo gairdnerii irideus



Sweet fish
Ayu
Plecoglossus altivelis

White bait
Shirauo
Salangichthys microdon

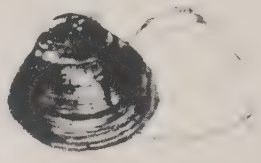
Common carp
Koi
Cyprinus carpio

Crucian carp
Funa
Carassius auratus

(Minnow)
Ugui
Tribolodon hakonensis hakonensis

Eel
Unagi
Anguilla japonica

(Corbicula)
Yamatoshijimi
Corbicula japonica



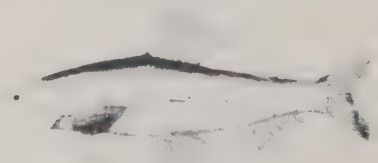
(Shrimp)
Nukaebi
Paratya compressa improvisa

(Aquatic plant)
Kawanori
Prasiola japonica

IV Inland Water Cultures

Rainbow trout
Nijimasu
Salmo gairdnerii irideus

Sweet fish
Ayu
Plecoglossus altivelis

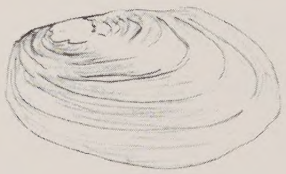


Common carp
Koi
Cyprinus carpio

Eel
Unagi
Anguilla japonica

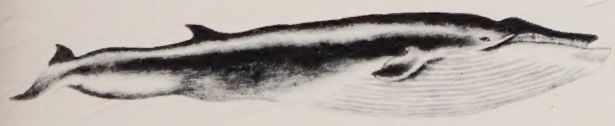
Crucian carp
Funa
Carassius auratus

(Fresh-water Pearl Oyster)
Ikechogai
Hyriopsis schlegeli

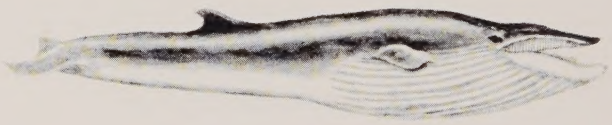


V Whaling

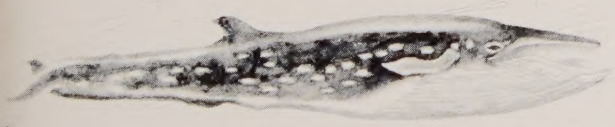
Fin whale
Nagasukujira
Balaenoptera physalus



Mink whale
Koiwashikujira
Balaenoptera acutoro strata

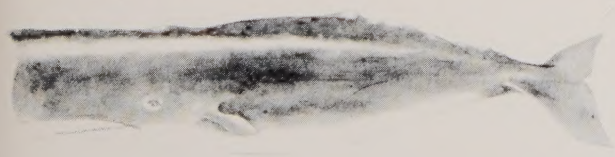


Sei wh le
Iwashikujir
Balaenoptera borealis



Pilot whale
Gondokujira
Globicephala melacna

Sperm whale
Makkokujira
Physeter catodon



Killer Whale
Shachikujira
Orcinus orca

EXPLANATORY NOTES

1. Sources of statistics

Table No. 1 ~ 9, 12 17(B), 18(B)	Statistics and Information Department, Ministry of Agriculture and Forestry
Table No. 10, 11, 16	Fishery Agency, Ministry of Agriculture and Forestry.
Table No. 13 ~ 15	Customs Division, Ministry of Finance
Table No. 17(A), 18(A)	Bureau of Statistics, Office of the Prime Minister.
Reference Table 1, 2	F.A.O.

2. Period of inquisition

As a principle, the statistics in this bulletin are inquired by the Calendar year but the figures of the whaling in the Antarctic Ocean are given for the "whaling year" (from Nov. 1971 to Mar. 1972)

3. Symbols

(0)	Means "Less than the unit amount"
(---)	Means "Unknown or not available"
(-)	Means "No record"
(△)	Means "Minus"